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Meadowlark

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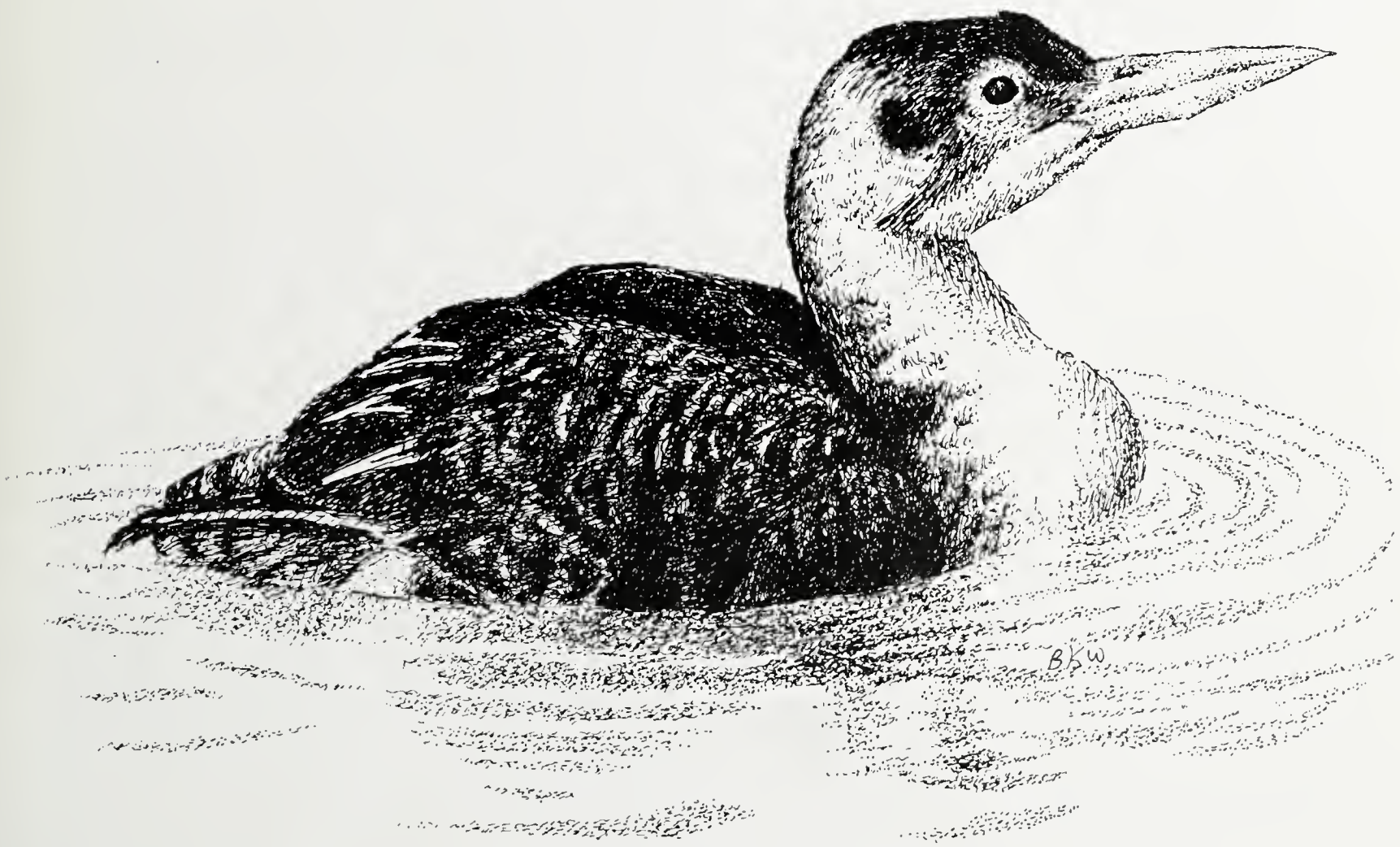

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President's Message

As we prepare for the new millennium, plan our winter birding excursions and receive our annual reminders to renew memberships, we might want to think about giving back to the birds we enjoy so much.

First let's talk briefly about the Christmas Bird Counts that are reported in this issue. Dave Johnson and his team of editors (Alan F. Stokie, Duane Heaton, Diane E. Johnson) have spent a great deal of their free time compiling and verifying everything is correct. Considering the number of reports they must review this is a sizable undertaking and speaks of the dedication of these individuals. Recognition must be given to all the compilers and those individuals who carefully and accuracy documented the rare birds that were found. The compilers really did an outstanding job of organizing their count, summarizing the results and submitting the count results.

Of course no issue of our journal would ever see the light of day without the skill, talents, and organizational skills of our Editor-in-Chief Sheryl De Vore and Kathy Ade, who is in charge of Graphic Design and Prepress Production. We are fortunate to have these women on our staff. Our other volunteers, including associate editors, writers, photographers, and artists are equally as talented and need our support and thanks for producing an outstanding journal.

My second point of giving back to the birds may come in several ways. First, and the easiest, is an end of the year gift to your favorite conservation group or birding group.

Perhaps the most difficult way is to voice your support for conservation issues that will directly benefit birds and bird habitat. One such measure is the HR 701 The Conservation and Restoration Act of 1999 (CARA). This funding initiative has just been approved by the House's Resource Committee and will be voted on by the full House some time next spring. This funding bill will provide much needed dollars for land protection and acquisition, restoration of habitat, management for endangered species, and money for management of species currently not receiving management funds such as most migratory nongame birds. Illinois will receive an estimated $55 million per year.

This one initiative may do more for migratory bird conservation than any single law since the Migratory Bird Treaty Act of 1918. Each of us must let our members of Congress know our views. This may be the greatest gift back to the birds we so enjoy. If you need information on this issue drop me a line or send me an Email at Rmontey@aol.com.

I wish you and your family the best in the new millennium.

Good Birding.

Bob Montgomery

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Letter from the editor

Call your Congressman now!

Bob Montgomery, our hard-working President, has been talking to you about the Conservation and Restoration Act of 1999 in recent issues of the Meadowlark. He has stressed how important it is for you to voice your opinions to your Congressman.

If you have never contacted Congress via phone call or letter, please make it your New Year's resolution to do it right now. Put down those binoculars, just for a few minutes. Pick up the phone, or a piece of paper, or turn on your computer and just do it. Tell your representative how important it is to support this legislation, not only for the birds, but for saving the habitat that is so crucial to their survival. As John Fitzpatrick said at the Second Annual Bird Conservation Network at Prairie State College in November: "Birds present an accessible heartbeat of natural systems."

Birds teach us about the environment, and indeed about our own health. The declining population of Peregrine Falcons, for example, taught us about the dangers of the chemical DDT.

"Although we bird for great passion and science, birds are not the story," said Fitzpatrick, director of Cornell Lab in New York. "They are the message about the story."

Send your Congressmen the message that we need to protect habitat and our environment. If we do so, we will also be protecting the birds.

Sheryl DeVore

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Yellow-billed Loon drawing by Brian K. Willis.

Potential Effects of Increased Predation Risk on Nestling House Wren (*Troglodytes aedon*) Quality and Survival

by John F. Cavitt

ABSTRACT. Risk of predation can be an important factor influencing reproductive success. Nesting birds that encounter repeated threats of predation may not be able to provide sufficient care for offspring, thus lowering mass of nestlings or number surviving to nest-leaving. I had the opportunity to examine the effects of a potential nest predator, the Blue Jay (*Cyanocitta cristata*), on House Wren (*Troglodytes aedon*) nestling quality and survival. Blue Jays were attracted to a food supplement intended for House Wrens. The presence of Blue Jays elicited nest defense behaviors by House Wren parents. In addition, House Wrens did not enter the nestboxes while Blue Jays were present at the feeders; therefore, time and energy that could have been devoted to caring for offspring was expended in nest defense. This potentially resulted in fewer offspring surviving to nest-leaving in one year and lower mean brood mass in another. These results were not observed after Blue Jays were prevented from feeding on the food supplement.

Introduction

Predation risk is an important selective force in the evolution of morphological and behavioral adaptations in animals (see Lima and Dill 1990 for a review). For animals that exhibit parental care, an increased risk of predation during the breeding period may interfere with brooding and feeding offspring, thus potentially lowering reproductive success.

Short-term predation risk has been shown to alter parental effort in birds (Kalina 1989, Marzluff 1985, Simons 1988, Cavitt 1998). Parents confronted by real, model, or caged nest predators reduce the number of feeding trips to the nest (Dring and Dring 1984, Kalina 1989, Martindale 1982, Marzluff 1985, Simons 1988), engage in nest defense behaviors (Martindale 1982, Regelmann and Curio 1982, Wiklund 1990, Cavitt 1998), and increase perching time near the nest site (Kalina 1989, Simons 1988, Cavitt 1998). All of these activities reduce the time parents could otherwise allocate to feeding and caring for their offspring. It has been suggested that long term risk, or repeated threats of predation, may reduce reproductive success through decreases in food delivery to nestlings (Martin 1992) and consequently, age at nest-leaving (Harfenist and Ydenberg 1995).

The effects of long-term predation risk have rarely been examined. However, Wheelright and Dorsey (1991) tested this hypothesis by placing a model of a predator, the Herring Gull (*Larus argentatus*), on top of Tree Swallow (*Tachycineta bicolor*) nestboxes for two hours each day during the nestling period. They found no effect of the predator's presence on nestling mass or length of the nestling period, although parents never entered the nestbox while the gull model was in place. I had the opportunity to examine the long-term effects of a potential nest predator, the Blue Jay (*Cyanocitta cristata*), on House Wren (*Troglodytes aedon*) nestling survival and quality. House Wrens were provisioned daily with mealworms (*Tenebrio molitor*), as part of a food supplementation experiment (Cavitt 1993, Cavitt and Thompson 1997) and during a portion of the study, Blue Jays were attracted to the supplement.

Blue Jays have long been known as nest predators (Bent 1946, Gates and Gysel 1978, Wilcove 1985) and their presence elicited alarm calls and nest defense behaviors from House Wren parents. Although House Wrens are cavity nesters, nestlings are still vulnerable to avian predators (Neill and Harper 1990), and the behavior of adult House Wrens suggested they perceived Blue Jays as a potential threat to their nests. If long term risk of predation can reduce reproductive success then nests to which Blue Jays were attracted should produce fewer nestlings or nestlings of lower mass than controls. In addition, an increased risk of predation may act to prolong incubation by reducing incubation constancy (Ricklefs 1993) or lengthen the nestling period if parents are distracted from feeding nestlings (Martin 1992).

Methods

Study Area and Species — This study was conducted during the 1990-1992 breeding seasons on a population of House Wrens breeding in McLean County, Illinois (Money Creek Township, 25N, R3E), USA (40° 40' N, 88° 53'W). Drilling and Thomp-

House Wren photo by Alan H. Nagaliara

son (1984, 1988) provide detailed descriptions of the study area. House Wrens are insectivorous, secondary-cavity-nesting passerines readily attracted to nestboxes. The Mackinaw study area (108 ha) contains 585 identical nestboxes that are distributed in north-south rows.

In central Illinois, House Wrens are migratory, arriving on the study area in late April, and are generally double brooded, initiating first broods in mid-May (early season) and second broods in early July (late season). Females alone incubate for 13 days before the first eggs hatch. Nestlings are fed by one or both parents through nest-leaving (between brood-day 14-17) and for an additional 1-2 weeks after nest-leaving (Kendeigh 1941).

General Procedures—All nestboxes were checked twice weekly from early May until mid-August to determine the date of laying initiation in each nest and to determine the status of existing nests. A clutch size was assigned for a nesting attempt when the same number of eggs was recorded on two consecutive visits and there was evidence that incubation had commenced. Near the time of hatching, nests were visited daily to determine brood-day 0. On brood-day 12 nestlings were weighed to the nearest 0.1 g on a portable Ohaus balance and banded with a numbered aluminum U.S. Fish and Wildlife leg band. The date of nest-leaving (termination date) was assigned by checking each nest daily from brood-day 14 until all nestlings had left the nest.

Feeding Experiment—Twenty grams of live mealworm larvae were placed daily in food dishes located on top of nestboxes. During the 1990 early season, the experiment consisted of two treatments: 1) food added to nests during the nestling stage and 2) unmanipulated nests. Additional treatments were added during the 1990 late season. Nests were assigned randomly to the following treatments: 1) food supplement during the incubation period, 2) food supplement during the nestling period, 3) food supplement during both the incubation and nestling periods (multiple treatment), 4) unmanipulated nests.

During the 1990 breeding season, I noticed Blue Jays were attracted to the supplement and were actively excluding wrens. Food dishes were covered with galvanized wire mesh (mesh diameter = 25 mm) from the late season of 1991 until the end of the study. The mesh allowed easy access by House Wrens but was small enough to prevent Blue Jays from feeding at the dishes. The addition of the wire mesh quickly eliminated Blue Jay visits to supplemented nests. During the 1992 breeding season, nest watches of ~ 10 min were made at each nest weekly after the food supplement was added to establish whether adults utilized the mealworms. When wrens were not excluded by Blue Jays, they readily consumed the supplement. I was able to verify the use of mealworms for ~ 86% of all supplemented nests in 1992 (N = 110 nests supplemented).

Data Analysis—Early and late-season nests were analyzed separately because of seasonal differences in clutch size (Finke et al. 1987) and nestling mass (Harper et al. 1992). All statistical analyses were performed by SAS-PC software (SAS Institute 1989) and all assumptions of statistical analyses were verified. Parametric tests were used unless assumptions of normality could not be met.

Nest success of supplemented and control nests (before and after the addition of the wire mesh screen) were compared by a G-test of independence with Williams' correction for continuity (Sokal and Rohlf 1981). A Kruskal-Wallis test was performed on incubation-period length (calculated from the day the penultimate egg was laid until brood-day 0) and nestling-period length (calculated from brood-day 0 until nest-termination date) of successful nests by treatment. Nestling mass and survival to nest-leaving were analyzed in order to determine if predation risk resulted in lowered nestling survivability or quality, or both. Since the condition of nestlings at nest-leaving affects the probability of recapture (C. F. Thompson unpubl. data, Harper et al. 1992), ANCOVAs were performed on mean relative brood mass (brood-day 12) by treatment for each year, with brood size as the

covariate. Residuals of a linear regression of brood mass and brood-day 0 were used as the relative brood mass. Because nestling mass declines throughout the breeding season in this population (C.F. Thompson, unpubl. data), differences in brood mass associated with hatching date can be accounted for by analyzing the residuals in this fashion. ANCOVA on the number of nestlings that survived to nest-leaving from successful nests (at least one fledgling produced) was performed by treatment for each year of the study, with both clutch size and brood-day 0 as covariates.

Results

A total of 75 nests were supplemented before the addition of the wire mesh screen. When Blue Jays arrived at the feeders, House Wrens were never observed to enter the nestbox, but instead began giving alarm calls and occasionally striking the jays. If

Table 1. nest success of fed and control nests before and after the addition of the wire mesh screen (*P>0.05).

Pre-Wire Mesh	Success (Proportion)	Fail	Cadj
Control	273 (0.79	74	0.0291*
Fed	20	7	
Post Wire Mesh			
Control	64	28	1.143*
Fed	31	21	

Table 2. Kruskal-Wallis test of treatment effects on median number of days (lower and upper quartile range) for incubation and nestling periods (Treatments: Inc = fed during incubation stage, YG = fed during Nestling stage, Multi = fed during both Incubation and Nestling stages, and control = not fed).

Year	Season	Treatment	(n)	Incubation Period	x2	df	P	Nestling Period	x2	df	P
1990	Early	Yg	(18)	13 (13–15)	0.34,	1,	0.56	15.5 (14–16)	0.05,	1,	0.83
		Control	(143)	13 (13–16)				15 (14–16)			
	Late	Yg	(11)	12 (12–14)	0.06,	2,	0.97	15 (14–16)	2.50,	2,	0.29
		Multi	(8)	12 (12–14)				16.5 (14–18)			
		Control	(110)	12 (12–15)				15 (13–18)			
1991	Early	Inc	(14)	12 (12–13)	2.95,	3,	0.40	15 (13–17)	4.53,	3,	0.21
		Yg	(9)	13 (12–14)				15 (14–17)			
		Multi	(12)	12 (12–14)				15 (13–17)			
		Control	(18)	12 (12–14)				16 (15–17)			
	Late	Inc	(14)	12 (12–13)	2.95,	3,	0.40	15.5 (15–16)	5.92,	3,	0.12
		Yg	(9)	13 (12–14)				15 (12–16)			
		Multi	(12)	12 (12–14)				15 (12–17)			
		Control	(18)	12 (12–14)				16 (15–18)			
1992	Early	Inc	(14)	12 (12–13)	2.95,	3,	0.40	16 (13–18)	2.62,	3,	0.45
		Yg	(9)	12 (12–14)				16 (14–17)			
		Multi	(12)	12 (12–14)				16 (13–17)			
		Control	(18)	12 (12–14)				16 (13–18)			
	Late	Inc	(14)	12 (12–13)	2.95,	3,	0.40	16 (15–17)	0.07,	3,	0.99
		Yg	(9)	13 (12–14)				16 (11–17)			
		Multi	(12)	12 (12–14)				16 (15–17)			
		Control	(18)	12 (12–14)				16 (14–17)			

Table 3. ANCOVA tests for effects of treatment on mean relative brood mass, with brood size as a covariate.

Season	Year	Model			Treatment			Brood Size		
		F	^{df}model, ^{df}error	P	F	df[1]	P	F	df[1]	P
Early	1990	0.7	2,118	0.930	0.04	1	0.844	0.12	1	0.727
	1991	3.68	4,48	0.011	4.48	3	0.008	0.20	1	0.655
	1992	0.85	4,58	0.502	0.66	3	0.578	1.62	1	0.209
Late	1990	2.10	3,112	0.105	0.46	2	0.631	5.56	1	0.020
	1991	0.41	4,34	0.803	0.31	3	0.816	0.95	1	0.336
	1992	1.22	4,52	0.314	1.61	3	0.199	1.14	1	0.708

[1]Error df are the same as model ^{df}error

Table 4. ANCOVA tests for effects on number of nestlings surviving to nest leaving, with date of hatching (brood-day 0) and clutch size as covariates.

Season	Year	Model			Treatment			Brood-day 0			Clutch Size		
		F	^{df}model, ^{df}error	P	F	df[1]	P	F	df[1]	P	F	df[1]	P
Early	1990	11.30	3,172	0.0001	7.89	1	0.0005	6.12	1	0.014	12.52	1	0.0005
	1991	11.53	5,47	0.0001	2.38	3	0.082	0.68	1	0.413	29.24	1	0.0001
	1992	6.06	5,58	0.0001	1.69	3	0.178	1.85	1	0.180	24.00	1	0.0001
Late	1990	3.42	4,161	0.0103	1.92	2	0.150	0.06	1	0.799	5.57	1	0.019
	1991	3.88	5,33	0.803	2.31	3	0.094	4.67	1	0.038	14.33	1	0.0006
	1992	8.48	5,51	0.0001	0.35	3	0.788	2.03	1	0.161	17.62	1	0.0001

[1]Error df are the same as model ^{df}error

one jay was displaced by a House Wren parent a second and often a third would routinely take its place at the feeder. I am unable to determine the length of time Blue Jays spent each day feeding from the supplement because only casual observations were made. However, I estimate that it would take an adult jay at least 10-15 min to consume the entire supplement. This is likely an underestimate, since jays were never observed to feed for more than a few minutes before being driven off by wren parents, thus increasing the time Blue Jays spent near the nestbox.

House Wren parents receiving food supplements had similar rates of nest success as controls before and after excluding Blue Jays from the feeders (Table 1). In addition, incubation and nestling stage lengths did not differ between treatments in any season of this study (Table 2).

Parents receiving food supplements during the 1991 early season fledged lighter nestlings then parents not receiving supplements (Figure 1, Table 3). The presence of additional food did not affect mean relative brood mass during either season of 1990 and 1992 or the late season of 1991 (Table 3).

Additional food reduced the number of fledglings produced during the 1990 early season (Figure 2, Table 4). There were no significant effects of food supply on number of fledglings surviving to nest-leaving during the any other season of this study (Table 4).

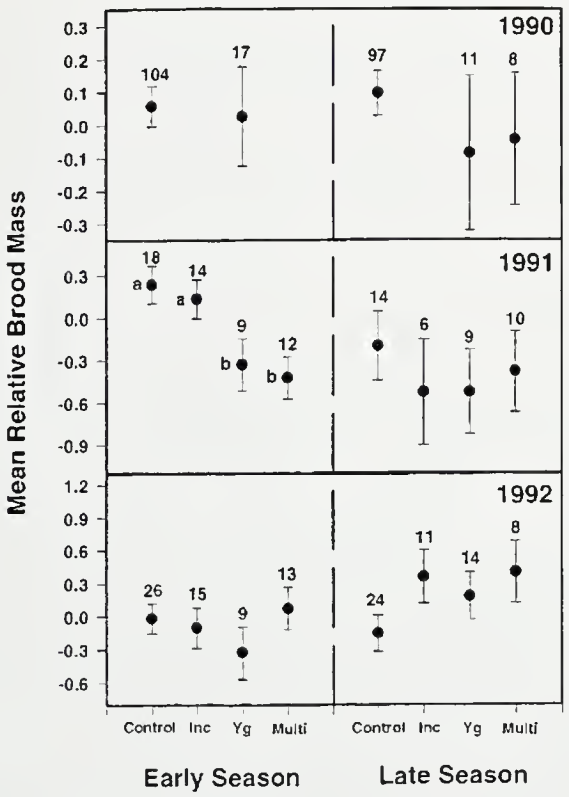

Figure 1. Mean relative House Wren brood mass (least-square adjusted mean +/- standard error)by treatment (see * below). See text for explanation of relative mass. Means with the same letter are not significantly different. Sample sizes are given above each mean.

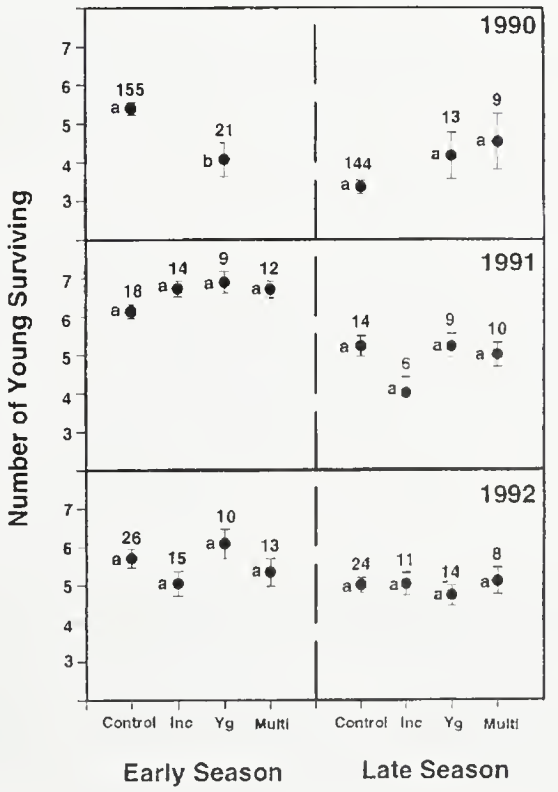

Figure 2. Least squares adjusted mean number of House Wrens fledged (least-square adjusted mean +/- standard error) by treatment (see * below). Means with the same letter are not significantly different. Sample sizes are given above each mean.

*(Control = no food added, Inc = food added during incubation, Yg = food added during nestling stage, Multi = food added during both incubation and nestling stages).

Discussion

The presence of Blue Jays at food-supplemented nests may have functioned to increase predation risk. However, contrary to the prediction, increased risk of predation did not lengthen either the incubation period or the nestling period. However, it may have contributed to a reduction in nestling mass at nest-leaving in one year and the number surviving to nest leaving in another. It may be argued that mealworms are a poor food source for nestlings. If so, then the reductions in mass and number of nestlings could be the result of inadequate nutrition rather than increased predation risk. This is unlikely because mealworms have been readily consumed by passerines in other experimental studies without any noticeable detrimental effects to nestlings (e.g. Garcia et al. 1993, Kacelnik 1984, Moreno 1989, Simons and Martin 1990, Cavitt 1998). Also, mean brood mass and survival were not affected after Blue Jays were excluded from the supplement and parents had exclusive access (Cavitt 1993, Cavitt and Thompson 1997).

Increased human presence at experimental nests (distributing mealworm larvae) may have reduced parental nest attentiveness directly, and indirectly, by attracting natural predators to the nest (Götmark 1992). These factors may have contributed to the lower nestling mass and survival observed. House Wrens do behave as though humans are a potential predator but the lack of any significant effect on nestling quality or survival after the wire mesh screen was added suggests that the effect was minimal. In addition, no significant differences in nest success were found between supplemented and control nests. The delivery of mealworms to experimental nests usually required less then a minute and many control nests were passed while delivering the supplement. Thus, increased human presence at experimental nests can not be considered a major factor.

Responses to food addition and thus increased predation risk were not consistent throughout this study. During the 1990 early season increased food resulted in fewer fledglings produced but during the 1991 early season increased food resulted in lower fledgling mass. In addition, there were no significant differences between treatments in any variable analyzed during the 1990 late season. These results may be accounted for by yearly and seasonal differences in food abundance. Differences in food supply may affect the ability of parents to compensate for missed feeding opportunities (Wheelwright and Dorsey 1991).

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Invertebrate populations fluctuate throughout the breeding period in central Illinois forests (Kendeigh 1979). When food is abundant, parents may be able to compensate for missed feeding opportunities caused by increased predation risk, but as food supply declines, the effects of increased predation risk may become realized through reductions in nestling mass and subsequently nestling survivability. Food is generally thought to be limiting for this House Wren population during the late season (C.F. Thompson pers. comm.); therefore, one would have expected to see effects of increased predation risk during the 1990 late season. However, House Wrens may have been able to compensate for missed feeding opportunities during this period because brood sizes were smaller during the late season of 1990 compared to the other seasons of this study (Kruskal-Wallis X? approximation = 30.297, df = 2, p= 0.0001; Median brood size- [upper and lower quartiles] 1990 early season, 6 [8-5]; 1990 late season, 5 [8-4], 1991 early season, 6 [7-5]).

Additional food added to nests attracted Blue Jays and their presence may have indirectly reduced the number of nestling House Wrens that survived to nest-leaving during one season and mean relative brood mass in another. House Wrens were never observed to enter nestboxes while Blue Jays were present at the feeders. Adults spent time calling and attacking when jays were present; therefore, time and energy that could have been devoted to caring for offspring was expended in nest defense. The reduction of brood mass and number of young fledged did not occur after Blue Jays were excluded from the supplement (after the 1991 early season). This suggests that increased predation risk may be responsible for reducing mean brood mass and the number of House Wrens surviving to nest leaving in two of the three breeding seasons observed. Furthermore, these results suggest that the risk of predation alone can influence reproductive success by limiting the ability of parents to care for offspring.

Acknowledgments

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The Northern Shrike in Illinois:

Changing Status and Distribution of this Northern Visitor

by Robert Chapel

On 6 January 1982, during a brief mild spell in one of Illinois' most severe winters, I ventured to Homer Lake in Champaign County. Driving down the road on the west side of the forest preserve, I spotted a shrike in a tree near the road. Never having seen a shrike in Champaign County in winter, I stopped suddenly, thereby becoming stuck in a mix of slush and mud, but having an excellent view of the shrike. I realized that this was not a Loggerhead Shrike (*Lanius ludovicianus*), but what I thought then was a much rarer Northern Shrike (*Lanius excubitor*), there having been only five previous central Illinois records at that time. While this was my first Northern Shrike in Illinois, little did I realize that I would eventually see two other Northern Shrikes in this very same spot in subsequent years.

The Northern Shrike has long been a highly sought-after species for most Illinois birders, because of its relative rarity as well as its striking appearance. It has traditionally been regarded as a very uncommon but regularly occurring species winter in northern Illinois, but very rare in central Illinois and accidentally in southern Illinois. For most Illinois birders, to see the Northern Shrike meant a winter birding expedition to the species' preferred fields with mixed shrubs and small trees in state's northern reaches. However, this may no longer be the case.

H. David Bohlen lists records before the 1980s of Northern Shrike from Urbana on 3 March 1963 and Chillicothe on 2 January 1971 (Annotated Checklist of the Birds of Illinois, Illinois State Museum, Popular Science Series, Vol. 1, 1978), and a 19th century record, 27 March 1896 from Fayette County in southern Illinois (1989). A few others were reported in *Illinois Audubon Bulletins*.

However, in the mid-1980s, observers began reporting Northern Shrikes nearly every year (see Appendix 1). In the winter of 1984-85, only one downstate bird was reported, without attribution, on the Centralia Christmas Bird Count in Marion County. The following season, eight Northern Shrikes were reported from DeWitt, Vermilion, Knox (2), Mason, and, Macon Counties and the Peoria-Tazewell Christmas Bird Count in central Illinois, and from Clinton County. Since then the species has been reported almost every winter (missing only 1989-90 and 1996-97), with from 1 to 7 birds being reported.

Northern Shrike drawing by Denis Kania.

While 1985-86 and 1995-96 appear to be invasion years, Northern Shrikes can be expected most years in central Illinois. As one would expect, the large majority of sightings are still from northern Illinois. However, the bulk of these sightings were from metropolitan Chicago and Rockford, which have large numbers of active birders.

I compiled a series of maps showing the winter distribution of Northern Shrike from 1983 to 1998. Included in this report is a map showing Northern Shrike winter distribution from 1983 to 1997 and one showing Loggerhead Shrike distribution for the same period. I have followed H. David Bohlen, and Smith & Parmalee before him in breaking the state into north, central, and south regions. The biggest concentration of Northern Shrike sightings is in northeast Illinois. Distribution appears more evenly spread throughout the remainder of northern Illinois and central Illinois, although few sightings have been reported in west-central Illinois. Even in northwestern Illinois, sightings of Northern Shrikes are sparse, although this may reflect a lack of birders to adequately cover the area.

The few southern Illinois sightings have been in the northern portion, just south of what is admittedly an arbitrary line. This distribution coincides closely with the original prairie areas of Illinois. Interestingly, while about 40% of all reports in the north are from Christmas Bird Counts, only 28% of sightings in the central and south are from CBCs, indicating, perhaps, that the majority of shrikes arrive later than in the north.

The record of sightings of Northern Shrikes in central Illinois appears puzzling. Hardly any observations were recorded until the mid-1980s, indicating a bird of accidental occurrence, until the species began appearing as a scarce but regular winter visitor. Interestingly, while many of the central Illinois sightings have occurred at popular birding areas, some of the most heavily birded areas around Springfield did not record any sightings until 1995. However since them there have been three sightings in metropolitan Springfield (Buckhart, Sangchris State Park, and Springfield). It is possible that Springfield is at the southwestern limit of their normal winter range, although it is only a little farther south than Decatur, which had sightings as far back as 1985. This scarcity in Springfield may indicate that there has actually been a change in the wintering habits of the Northern Shrike, and it has taken them longer to reach the extreme southwestern edge of their winter range.

Also, few records exist of the Northern Shrike in west central Illinois. However, the Loggerhead Shrike has been reported fairly frequently by competent observers until quite recently in the winter. It appears the winter distribution of shrikes in Illinois is not just north and south, but east and west as well. However, as numbers of the Loggerhead Shrike, a state-endangered species, continue to decline, the Northern Shrike may increase, or at least become more evident in the west.

Have Northern Shrikes always followed their current pattern of winter distribution, or have they begun pioneering new areas further south of their traditional winter range? It's doubtful this can be clearly determined. When Loggerhead Shrikes were more common, Northern Shrikes could be overlooked, given their great resemblance, and given the assumption of shrikes seen in central Illinois to be Loggerheads. A look through past *Illinois Audubon Bulletins* reveals that prior to the 1970s, few people regularly birded in the winter and even fewer with the knowledge to clearly distinguish between the two species. More sophisticated field guides and articles, such as Larry Balch's "Shrike Identification" from the Winter 1977/78 *Illinois Audubon Bulletin* (#183) facilitated the identification of individuals of this difficult species pair. Also, the invasion year of 1985-86 gave many central Illinois birders practical field experience with Northern Shrikes. Further, the decline in Loggerhead Shrikes, particularly in central Illinois, made any shrike worthy of close scrutiny.

Map 1: Northern Shrike (1983-1997)

Map 2: Loggerhead Shrike (1983-1997)

Whether Northern Shrikes have always been widespread in winter in the northeastern half of the state, as they are now, or whether they have expanded their range south to take advantage of habitat abandoned by the decline of Loggerhead Shrikes, it is now clear that birders should make more effort to search for these birds, especially when large numbers are being found in northeastern Illinois.

The species seems to prefer certain areas. Clinton Lake has had a number of sightings, as have Homer Lake in Champaign County and the Middlefork Valley in Vermilion County. However, any suitable habitat of secondary growth with shrubs and scattered small trees could attract the Northern Shrike.

Look for Northern Shrikes south of the Chicago area anytime after Thanksgiving, although a few might arrive earlier. Many seem to be found after the new year, so they may often be pushing farther south when true winter sets in after Christmas.

Shrikes are most easily seen on relatively calm days with good sunlight, when they tend to sit high on upper branches or even the top of small trees. On windy days they tend to sit lower and are usually found only with difficulty. Their territories seem to be quite large in central Illinois. Persistence and scrutiny of available habitat is the key to locating them. On a winter's day in central Illinois, a Northern Shrike can brighten many a cabin-fever ridden birder.

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Appendix 1. Central and Southern Illinois Records of Northern Shrikes*

Before 1983-84
3/27/1896, Fayette County
(Steinhauer Collection, Illinois State Museum)
3/3/1963, Urbana (Champaign County)
2/11/1967, Peoria
1/2/1971, Chillicothe (Peoria County)
2/21/1977, Forest Glen (Vermilion County)
1/6/82, Homer Lake (Champaign County)

1984-85
12/22, Centralia (CBC)

1985-86
10/26, Clinton Lake (DeWitt County) (Robert Chapel)
12/4-1/10, Kennekuk Cove Park (Vermilion County)
12/13, Knox County (Michael Baum) - specimen found
1/1-26, Snicarte (Mason County)
1/4-12, Decatur (Macon County)
1/23-2/2, Stark County
2/5, Victoria (Knox County)
2/15, Clinton County
Date?, Peoria-Tazewell (CBC)

1986-87
Date? Madison and St. Clair Counties (CBC)

1987-88
12/6, Middlefork Fish and Wildlife Area (Vermilion County)
12/19, Marshall County)
Date?, Chillicothe (Peoria County) (CBC)

1988-89
12/4, Kennekuk Cove Park (Vermilion County)
Date?, Meredosia Island (Morgan County) (CBC)

1990-91
12/15, Homer Lake (Champaign County)
1/22, Cuba (Fulton County)
3/10, Spoon Lake (Knox County)
Date?, Forest Glen (Vermilion County) (CBC)

1991-92
12/1, Clinton Lake

1992-93
12/12, Mason County
1/1, Middlefork Fish and Wildlife Area
(Vermilion County) (CBC)
1/27-28, Clinton Lake (DeWitt County)
2/3-4, Macon County

1993-94
1/2, Peoria County
3/11, Middlefork Forest Preserve (Champaign County)

1994-95
12/18, Clinton Lake (DeWitt County)
1/15-2/12, Homer Lake (Champaign County)
1/16, Clinton Lake (DeWitt County)-different area from 12/18 bird
1/16, Cisco (Piatt County)
2/19, Victoria (Knox County)

1995-96
11/13 & 25, Sangchris State Park
11/17 & 3/10, Clinton Lake (DeWitt County)
11/24-25, Spring Lake Conservation Area
(Tazewell County)
12/3, Rantoul (Champaign County)
12/5 & 31, Buckhart (Sangamon County)
12/30, Clinton Lake (DeWitt County)
—different area from 11/17 bird
1/1, Middlefork Valley (Vermilion County (CBC)

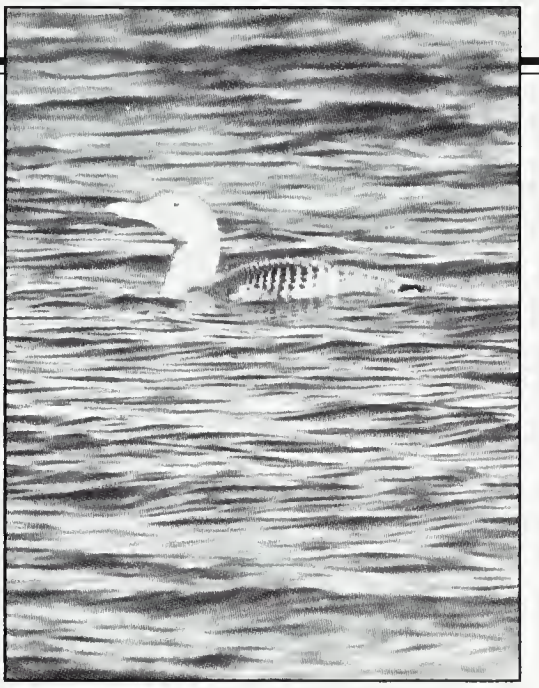
1997-98
1/10 & 2/21, Springfield (Sangamon County))
1/11, Middlefork Fish and Wildlife Area
(Vermilion County)

*Compiled from *Illinois Audubon Bulletin*, *Illinois Birds and Birding*, *Meadowlark*, *American Birds*, H. David Bohlen Annotated Checklist of Illinois Birds (1978), and H. David Bohlen's Birds of Illinois. Indiana University Press. 1989.

Illinois' Second Record of the Yellow-billed Loon

By Josh Engel

On 23 December 1998, Michael Retter and I were birding along the shore of Lake Evergreen, in McLean and Woodford Counties. We arrived at the boat launch on the south side of the lake, and began to scan the water. After a short time, we came upon a loon. We assumed it was the Common Loon (*Gavia immer*) that had been reported on the Bloomington CBC, but we took a closer look anyway. Immediately, we noticed the bird's extremely pale overall appearance. After scrutinizing every plumage detail, we concluded that it was most likely a Yellow-billed Loon (*G. adamsii*), a bird of western American tundras and Siberia; neither of us had ever seen a Yellow-bill, so we were quite nervous about reporting the bird. However, we raced to a pay phone where Michael called several other birders. The loon's identification was confirmed the following day as a Yellow-billed by several central Illinois birders.



Yellow-billed Loon photo by Dennis Oehmke.

Description: The key to the identification was the patterning and shape of the bill and head. The bird had a thick, long bill. In the field, the culmen appeared to be straight, but field guides show the culmen is slightly curved. There was a strip of darker coloring at the base of the culmen that ran about a third to a half of the way to the tip. The lower mandible was noticeably upturned, and at very close range a gap between the mandibles could be seen. Because of the bird's big bill and thick neck, the head and eye appeared relatively small. The head, possessing two distinct bumps, was always tilted upwards. The face was pale, with a darker brown crown and dark eye. There was a pale crescent above the eye. The diagnostic dark ear patch was present, but not as dark as might have been expected. Interestingly, the ear patch was obvious only on the right side of the bird, and even then only when the bird was turned away from the observers. The throat was white and gradually became brown toward the hind neck, with no sharp demarcation. The back was brown, paler than expected on a Common Loon. The back and wing feathers had distinctive buff tips, indicating first winter plumage. These tips appeared as multiple pale crescents when the bird was viewed in profile, and they formed a checkerboard pattern when the bird was viewed from behind. At very close range, pale primary shafts could be seen when the bird flapped.

Discussion: This record represents Illinois' second confirmed Yellow-billed Loon. The bird was seen on the Bloomington CBC on 19 December 1998, but it was not correctly identified until 23 December 1998. The loon was last seen on 29 December 1998 in the only remaining section of unfrozen water on the lake. Illinois' first Yellow-billed Loon was seen on the Rock River at Rock Falls in 1986. It was first seen on 14 December 1986 and then discovered dead on 30 December 1986 (Bohlen 1989). At least five other Yellow-billed Loons were seen in the interior United States during the winter of 1998-1999. Records include one in New York, one in Colorado, two in New Mexico (NAB 53:2), and one in Oklahoma (J. Grzybowski, pers. com.).

Acknowledgments

Thanks to Michael Retter for reviewing a draft of this article and to Joseph Grzybowski for providing information on the Oklahoma Yellow-billed Loon record.

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Arctic Great Horned Owl
at Jackson Park, Cook County

by Paul R. Clyne

I discovered a Great Horned Owl (*Bubo virginianus*) showing characters typical of the arctic subspecies *subarcticus* on Wooded Island in Jackson Park, Chicago, on 6 December 1998. This individual remained through 10 December, during which time many birders observed it. Thomas Jackman obtained a nice series of photographs documenting the frosty brown-gray plumage of the bird from both above and below.

Bohlen (1989:101) cites six previous records of this subspecies for Illinois–two specimens from the last century, plus four more recent sight records, "which may be difficult to confirm," from the years 1973-1984. Five of these are from Cook County, while the sixth is from Bureau County. Details on the sight records are unpublished, but a photograph of a wintering individual appears in *Illinois Audubon Bulletin* 205:47; this is the 30 January 1983 record included in Bohlen (1989). The photo caption indicates that this bird was present from at least 18 December 1982. In the Illinois journals published since Bohlen's monograph, I find but one additional record–an apparently undocumented report of a "pale arctic form" at Montrose Cemetery, Chicago, 20 and 27 December 1992 (*Meadowlark* 2:114). Although Bohlen (1989) does not indicate that his list of records is comprehensive, I find no other prior reports; e.g., Ford (1956) mentions only one of the old specimens, and Bohlen (1978) supplies no further evidence. Mlodinow (1984) expressly limits the number of Chicago area records (including nearby areas of Wisconsin, Michigan, and Indiana) to three–all from Illinois; he excludes, without comment, two Chicago-area records included in Bohlen (1989). The Jackson Park bird seems to raise the total number of records of apparent *subarcticus* for Illinois to no more than eight. The rarity of this form outside Canada is further underlined by Wisconsin data cited in Robbins 1991; while "several" pale birds were seen during the remarkable winter invasion of 1932-33, there are but five reports from other years.

Arctic Great Horned Owl at Wooded Island, Jackson Park, Cook Co. Photos taken 7 December 1998 by Thomas Jackman.

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The 1998/1999 Illinois Christmas Bird Count

by David B. Johnson

Participants enjoyed the best of late fall and early winter weather with no freezing temperatures until—the official start of winter—literally on 21 December! Even with the cold snap on the 21st waterbirds did not clear out of the state and many lingering birds to the north, like loons and grebes, either migrated into the state or tarried just long enough—until the big blizzard on 2 January. Compilers who held their counts early or in mid-period tallied excellent species lists and numbers; compilers who waited to hold their counts after 1 January lost even if they got to hold their count at all! Snow falls exceeding twenty inches by the end of the day on the 2nd caused drifts that literally shut down Christmas bird counting and traveling by car. Six counts had to be canceled and some had to resort to feeder counts only. In spite of all this weather mix, birds that nearly never linger in winter appeared on counts statewide. One example was the 157 Sandhill Cranes (in 9 count circles); another was 21 Eastern Phoebes (in 6 count circles). In addition, plenty of rarities were found including a remarkable hummingbird CBC first for Illinois—a male **Rufous**! For more stunning rarities...read on. Record count numbers were established for certain species particularly waterbirds, though certain groups of other birds were noted in record numbers. These include bluebirds, robins, and sparrows. Every Illinois CBC season has its ups and downs. This season was no exception, but many counts this year had more highlights than lowlights. Most importantly, field observers and feeder watchers had a great time counting birds during early winter in Illinois, complete with all the CBC surprises, blizzard or no blizzard!

Results from 57 counts included 162 species. Three counts tied for highest species totals (97): Rend Lake, Cypress Creek, and Union County. Next in line with 90 or more species were: Carlyle Lake (96), Horseshoe Lake (92), Chatauqua NWR, a record count (91), Mermet Lake, Massac Co. (91), Clinton Lake (90), and Evanston (North Shore) (90), tying the record count (in 37 years). Other reported all-time high species totals were: Barrrington (65), Fermilab--Batavia (81) and Rockford (79). Cypress Creek had the highest number of individuals: 264,660. Fermilab--Batavia once again fielded the highest number of observers in the state, 88. We welcome the restart of the Kankakee Valley count. For a complete listing of all counts see Table 1 and the count circle map of those reporting to Illinois; the slashed circles represent those counts not held due to the blizzard.

CBC Firsts and Rarities

The sprinkling of rarities kept the unusual bird-seekers happy. One example was the state's second confirmed **Yellow- billed Loon** at Bloomington. The state's sixth CBC **Red-throated Loon** was recorded at Illini. A **Brant** was at Union County, and Waukegan tallied a **Purple Sandpiper**. Always unusual, a **Franklin's Gull** was noted at Collinsville. Most remarkable of all, however, was that Springfield tallied the first ever CBC record of a hummingbird of any kind on an Illinois CBC. A male **Rufous Hummingbird** left the day after it was counted.

Peregrine Falcon, Brandon Locks, Will County. 19 December 1998. Recorded on the 1998/1999 Illinois Christmas Bird Count. Photo by Joe B. Milosevich.

Warbluff Valley posted a well-described **Bewick's Wren,** and for the second consecutive year a **Yellow-breasted Chat** was recorded in northern Illinois, this time on Chicago Urban.

Other unusual birds noted were three Eared Grebes, the northernmost at Springfield, and singles at Rend Lake and Cypress Creek. A solitary Trumpeter Swan was at Andalusia. Count week Great Egrets were noted at Collinsville and Fermilab. Twenty-one Black-crowned Night-Herons were noted in 4 count circles. Twenty Ross's Geese appeared on 10 counts, with Pere Marquette having

the highest count (7). Forty-three Blue-winged teals were noted statewide (in 5 count circles); 30 individuals were at Cypress Creek, seemingly the CBC waterfowl capitol of Illinois this season. Three Harlequin Ducks were tallied all on Lake Michigan where they are expected: one at Chicago Lakefront and two at Calumet--Sand Ridge. The only scoters were a count week White-winged at Carlyle Lake and a Surf at Western Mercer. Three Golden Eagles were seen, one unusual record of an immature north at Rockford, one at Chautauqua NWR and the last att Mermet Lake, Massac Co. Eleven Peregrine Falcons, mirroring that species reintroduction success, were tallied statewide (in 8 count circles) and four well-described Merlins were seen at Evanston, Fermilab, Kishwaukee and Champaign. Union County had the only Sora.

Most surprising were the numbers of Sandhill Cranes (157 in 9 count circles; and 182 count week in Barrington) perhaps reflecting a burgeoning population to the north. During the 1997 CBC there were only two in the state. Least Sandpipers lingered just long enough to be noted at Rend Lake (52), Carlyle Lake, Horseshoe Lake (8), and Collinsville (count week). In the unusual gull department were solitary Great Black-backed Gulls at Waukegan, Evanston, and Muscatine, IA. Lesser Black-backed Gulls were at Evanston, Barrington, Calumet--Sand Ridge, Springfield, and Rend Lake with count week birds at Carlyle Lake and Collinsville. Glaucous Gulls were at Waukegan (2), Evanston, Princeton, and Davenport, IA. Two Barn Owls were at Cypress Creek. Waukegan and Schapville reported the only Snowy Owls, both count week birds. Evanston recorded 2 Pine Warblers, an unusual rarity for northern Illinois in winter. The female is still under review by IORC. Warbluff Valley tallied the only other Pine Warbler in the state. Rockford, for the second consecutive year, recorded a Common Yellowthroat. Union County tallied the only Palm Warbler.

Carlyle Lake and Union had the only American Pipits, both with 2. Solitary Spotted Towhees were noted at Carlyle Lake and Union County. Sixteen well-described Brewer's Blackbirds were at Carlyle Lake. Unusual was the single Le Conte's Sparrow in central Illinois at Middlefork Valley, plus 67 on 10 other counts all in southern Illinois. The only Vesper Sparrows reported were 2 at Jackson and 1 at Horseshoe Lake. Rare in winter, the only Harris's Sparrows reported were at Fermilab and Muscatine, IA. Three Lincoln's Sparrow were rather well-described, all in southern Illinois, at Rend Lake, Jackson, and Horseshoe Lake.

Regularly Occurring Species

In addition to the aforementioned rare loons, 23 Common Loons were recorded(in 8 count circles. Great Blue Herons continue to boom: 1,572 individuals in 49 count circles (see histogram). One compiler commented the herons were obviously moving in advance of cold freezing weather since they were uncharacteristically standing in cornfields. Away from the Mississippi River the 36 Bald Eagles were noted on Starved Rock, 20 adults and 16 immatures were an all-time high for that count and mirrors the species general population success (966 were recorded statewide including Iowa, a bit down from the '97 season, 49 less to be exact, but generally numbers are better with a harsher winter; see histogram). Northern Shrikes made it down as far south as central Illinois circles; Middlefork River Valley and Bushnell (17 in eight count circles) rather amazing considering it was not a big flight year. Red-headed Woodpeckers (612 in 47 count circles) seems like an alarmingly low number especially when 1,141 Red-headed Woodpeckers were tallied last year in 52 count circles statewide.

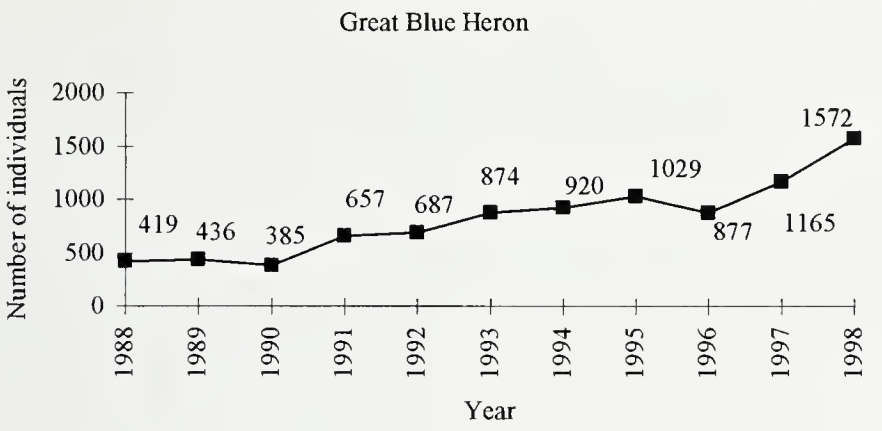
Eastern Bluebirds and American Robins certainly put on a good showing statewide with many compilers remarking on record numbers for their respective count circles: 1,734 bluebirds in 37 count circles and 17,200 robins in 53 count circles). The 8 Northern Mockingbirds at Decatur and 10 at Springfield seemed like good numbers for a species that is generally confined in winter to southern Illinois.

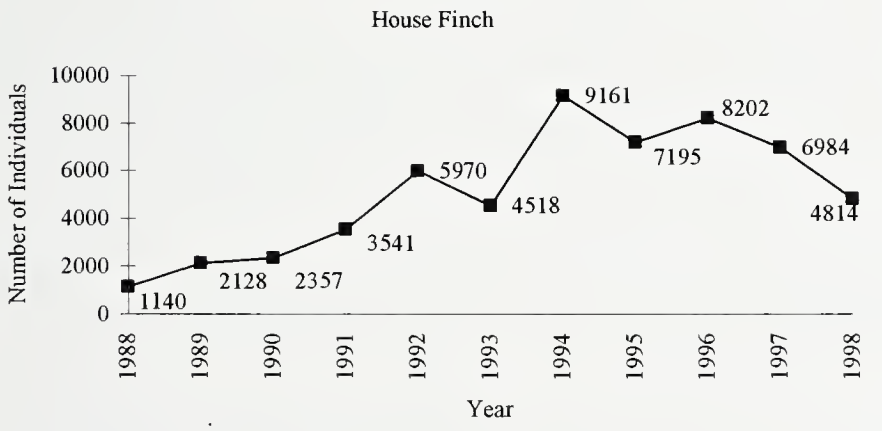
With the heavy snows, some counts tallied good numbers of birds driven to roadsides such as larks, longspurs, and Snow Buntings. Most amazing, was the solitary Snow Bunting that made it to Carlyle Lake. The larger numbers were clearly north with Illini having the highest count of 194; Kiswaukee came in second with 80. The highest Horned Lark numbers went to DeKalb, 1,786 and Middle Fork River Valley, with a record count of 923. Finally the highest Lapland Longspur count went to Clinton Lake, 815. Other good high counts were the 674 at Kishwaukee and 570 at DeKalb.

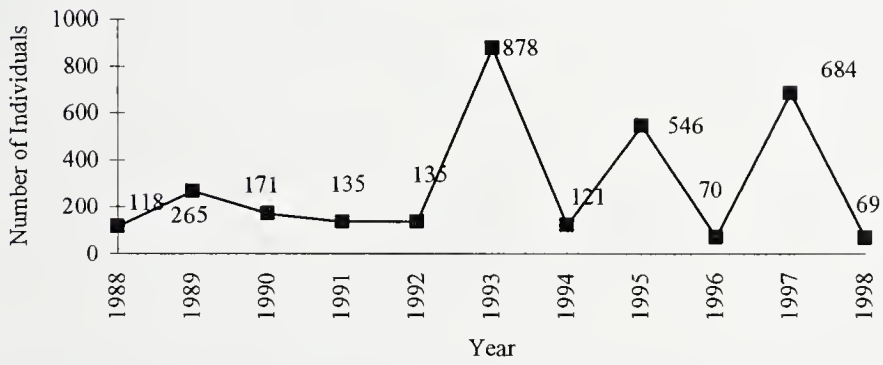
Not often seen in northern Illinois were 5 Savannah Sparrows tallied independently by 3 separate parties at Waukegan. The number of Eurasian Tree Sparrow is ever increasing along the Mississippi and Illinois River valleys; compilers farther north might scout for this bird that seems to be expanding its range. The highest total for this species, 180, was recorded at Chautauqua NWR in the middle of our state.

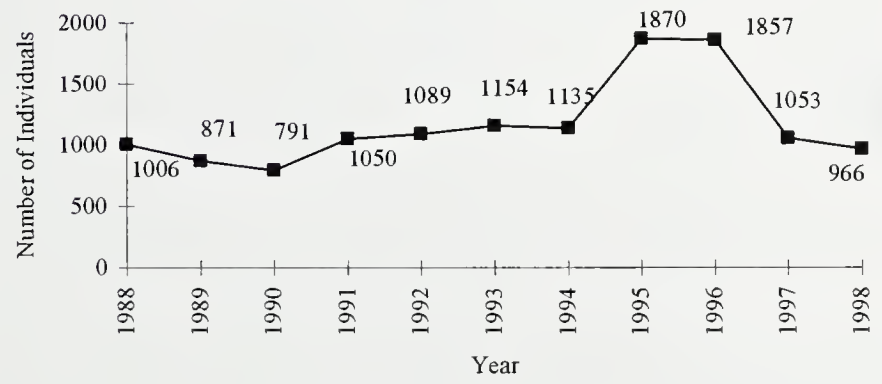
Irruptive Species

Red-breasted Nuthatches were down (69 in 23 count circles, see histogram). Winter finches were almost nil with just a few Pine Siskins (36 in 9 count circles) and Common Redpolls (6 in 4 count circles). Waukegan had the only crossbills, 2 White-wings on the count and reds during count week.









High Counts

For the second consecutive year compilers enjoyed excellent record high count numbers of individuals for certain species particularly waterbirds and several passerines. Thirty all-time state high counts were set for an individual species total recorded within a count circle. Crab Orchard NWR recorded **108** Pied-billed Grebes. Baldwin L.—Kaskaskia R. recorded **52** Horned Grebes. A remarkable number of **507** American White Pelicans were at Pere Marquette. **1,597** Double-crested Cormorants were tallied at Rend Lake; **185** Great Blue Herons were at Chautauqua. Cypress Creek won the crown for high duck counts: **7,999** Gadwall, **3,610** American Wigeon, **1,967** Northern Shoveler, **3,466** Green-winged Teal, and **13,844** Ring-necked Ducks. Not to be outdone, Newton, Crab Orchard NWR, and Pere Marquette Park finished the remarkably high duck tallies with **220** Bufflehead, **588** Hooded Mergansers, and **802** Ruddy Ducks, respectively. A remarkable number, **188,** of Sandhill Cranes, were at Fermilab- Batavia. Cypress Creek additionally captured five other all-time high counts: **200** Black Vultures, **77** Northern Harriers, **141** American Kestrels, **299** Field Sparrows, and **3,392** White-crowned Sparrows. Barrington had **2** Iceland Gulls. An amazing **52** Least Sandpipers were recorded at Rend Lake. **Sixty-one** Monk Parakeets at Calumet--Sand Ridge confirms this introduced species is now established in Illinois. Carlyle Lake recorded a record **25,330** Ring-billed Gulls and **835** Swamp Sparrows. Lisle recorded **3** Marsh Wrens. Horseshoe Lake had a record **53** Winter Wrens. Union County captured three all-time high counts of: a remarkable **12** Eastern Phoebes, **246** Eastern Bluebirds, and **232** Savannah Sparrows. Rockford finished the all-time high counts with **711** House Finches.

Low Counts

In the "no count" department—where are the Gray Partridge in Illinois? None were recorded. Oldsquaw numbers were low, 16 in 2 count circles. The 292 Ring-necked Pheasants in 25 count circles statewide seemed low. The aforementioned Red-breasted Nuthatch and Red-headed Woodpecker numbers were particularly low counts this CBC season. With the excellent numbers of Eastern Bluebirds and

American Robins one would have expected better numbers of Cedar Waxwings, but the total was only 484 in 25 count circles statewide. Purple Finch numbers seem to be declining in winter; 150 individuals were tallied statewide in 27 count circles compared to 475 last CBC season. Is this due to competition with the House Finch? Or did Purple Finch just go undetected due to the warmer count season? House Finch, numbers were also down, 4,814 in 54 count circles compared to 6,984 last CBC season (see histogram on previous page).

Acknowledgments

A special thanks to all compilers who communicated special aspects of their counts particularly the all-time high counts, details and documentations on unusual birds and notes on the more common wintering species. You made my job easier! I would also like to extend a special thanks this year to Duane Heaton, Alan Stokie, and Evan Johnson who helped immensely both with entering and verifying the Illinois CBC data. Without their help I could not have completed this task! Thanks, too, to the many Illinois observers and feeder counters who contribute to this CBC database. Best wishes for a great millennium Illinois CBC season.

Millennium CBC

The 100th millenium Christmas Bird Count will be held Thursday 16 December 1999 through Monday, 3 January 2000. Until then, good birding through this century and—the next!

Corrigenda & Addendum for the Illinois 1997 CBC

Newton last year had a state record high of 103 Greater Prairie-Chickens. The Gray Catbird listed on the Morton Arboretum count should have been listed as a count week bird. Bushnell had 38 Eurasian Tree Sparrows, which were inadvertently left off the Central Illinois table. Clinton Iowa last year tallied 200 Tundra Swans another record count for the state. Thanks to our readers for pointing out these errors to the editors.

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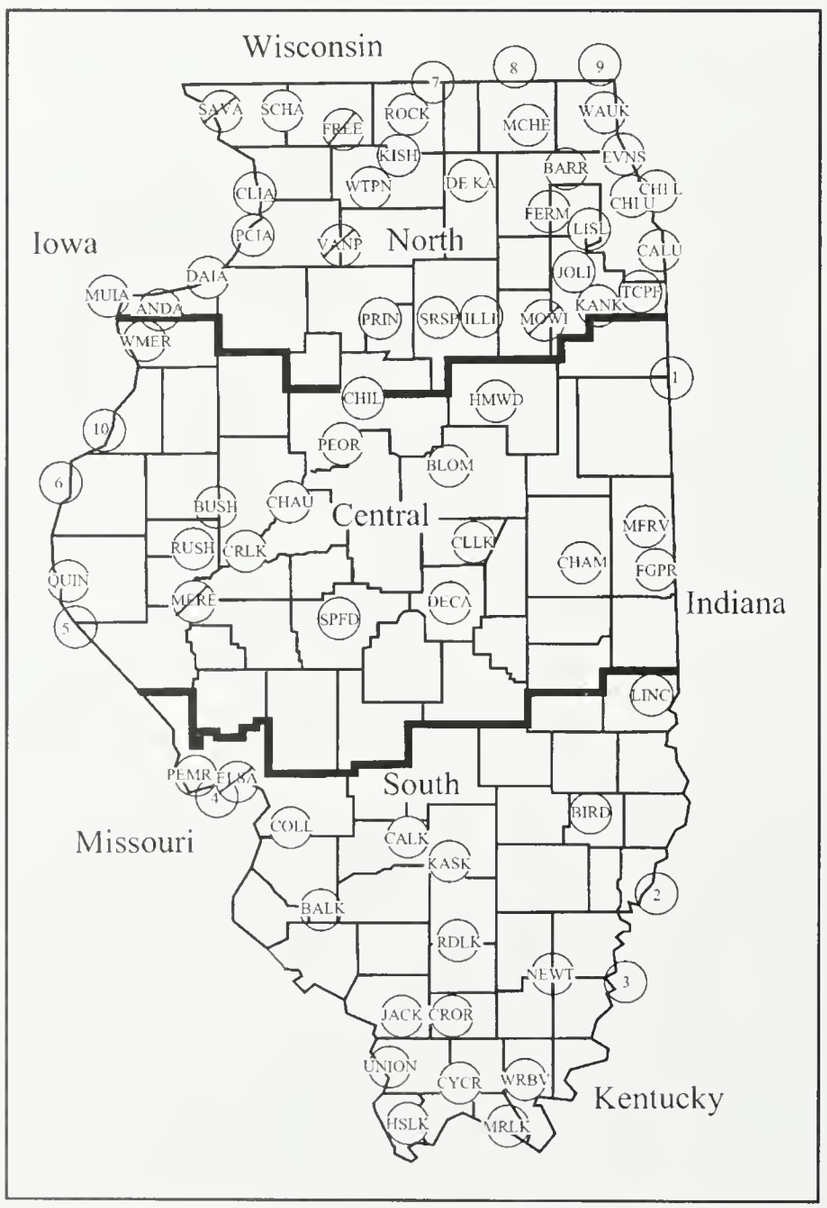

Key to Tables

Code	Description
cw	count week only (3 days before or after)
dd	details desired
ed	excellent details
gd	good details
hc	high count for that circle
HC	All-time High Count for the state
in IA	indicates the bird(s) actually in Iowa
imm	immature
lc	low count
nc	new species to that circle's count
NC	New to the state's Count species list
nd	no details
ps	Present for sometime
ph	Photographed
qd	questionable details
rn	remarkable number
rr	remarkable record
ud	unconvincing details
sub ad.	sub adult
vt	video taped
*	Documented species
boldface	Species/number/itemof note

Illinois '98 Christmas Bird Count • Table 1

Count Name	ap LD	Date	Ti mo		To mp		Sky	Snow	Wator	Wind	Wind	Veloc	Field	Feeder	Foodor	Parties	Party	Hours	Hours	Party	Miles	Miles	Owling	Owling	Compilor	Area
			Begin	*End*	*Low*	*High*				Directio	*Low*	*High*	Obsrv	Obsrv	Hours	Parties	Hours	on foot	by car	Miles	on foot	by car	Hours	Miles	Hours	
Andalusia	ANDA	23-Dec	0530	1700	9	25	Cloudy	0.00	Prtly Froz	W	5	20	5	0	0.00	3	26.50	5.50	21.00	254.25	4.25	250.00	4.00	24.00	Kelly J. McKay	
Barrington	BARR	21-Dec	0415	1700	11	32	Cloudy; light snow	0.00	Open	N	2	8	34	7	10.25	16-17	92.75	62.00	30.75	420.75	54.75	366.00	2.75	2.75	Duane Heaton	
Calumet City-Sand Ridge	CALU	26-Dec	0700	1600	18	28	Partly clear	0.00	Prtly Froz	Calm	0	0	40	4	8.00	17	98.00	64.00	34.00	346.00	54.00	292.00	0.50	0.00	Carolyn Marsh	
Chicago Lakefront	CHI L	25-Dec	0700	1500	17	33	Clear; Cloudy	0.00	Prtly Froz	SW	12	24	15	0	0.00	2-4	18.00	15.50	2.50	49.00	14.00	35.00	0.00	0.00	Joel Greenberg	
Chicago (urban)	CHI U	20-Dec	0400	1600	26	35	Cloudy	0.00	Open	NE	3	10	11	10	10.00	7-8	51.00	45.00	6.00	204.00	42.00	162.00	2.50	5.00	Jeffrey Sanders	
Clinton IA	CL IA	26-Dec	0445	1715	24	34	Clear; cloudy	0.00	Prtly Froz	SW	5	15	8	0	0.00	3-4	35.75	7.50	28.25	380.50	7.50	373.00	4.50	91.00	Kelly J. McKay	
DeKalb	DE KA	3-Jan	0645	1630	8	13	Partly Cloudy	12.00	Prtly Froz	NW	5	25	5	0	0.00	4	22.50	12.50	10.00	222.25	15.25	207.00	0.00	0.00	Kevin M. Jury	
Evanston (north shore)	EVNS	26-Dec	0415	1700	19	25	Clear	0.00	Prtly Froz	W	6	10	71	21	21.00	14-21	102.00	79.00	23.00	335.00	88.00	247.00	8.00	14.00	David Johnson, Ralph Herbst	
Fermilab-Batavia	FERM	19-Dec	0500	1645	27	36	Cloudy	0.00	Open	N-NW	5	12	88	3	9.50	9-29	178.50	142.00	36.50	735.50	135.50	600.00	4.50	14.50	Denis Kania	
Illini State Park	ILLI	20-Dec	0500	1645	31	37	Cloudy	0.00	Open	ESE	0	10	10	2	4.00	5	45.50	13.00	32.50	395.00	16.00	379.00	2.25	28.00	Jim Hampson	N
Joliet	JOLI	19-Dec	0700	1600	32	38	Cloudy	0.00	Open	W	1	2	20	3	6.00	12	81.75	50.00	31.75	456.75	53.75	403.00	0.00	0.00	Joy Alwan	
Kankakoo	KANK	26-Dec	0800	1600	20	25	Clear	0.00	Open				7	2	2.00	4	12.00	11.00	1.00	37.00	7.00	30.00	0.00	0.00	David Atkinson	O
Kishwaukoo	KISH	2-Jan	0700	1700	15	20	Cloudy, heavy snow	10.00	Prtly Open	NE	15	25	17	6	12.00	7	41.50	23.25	18.25	250.00	22.50	227.50	1.00	1.50	Brad Grover	
Lisle Arboretum	LISL	20-Dec	0400	1745	26	36	Cloudy	0.00	Open	N	7	7	71	0	0.00	26	179.50	146.25	33.25	565.50	140.25	425.25	16.50	39.00	Geoffrey A. Williamson	R
McHenry County	MCHE	19-Dec	0715	1630	33	37	Cloudy, prtly cloudy	0.00	Open	NW	5	20	39	0	0.00	14	79.00	43.00	36.00	469.50	45.50	424.00	2.00	0.50	David A. Frey	
Muscatine IA-IL City	MU IA	27-Dec	0500	1700	32	43	Clear; cloudy	0.00	Prtly Froz	NE	5	15	8	8	6.00	3-4	33.75	9.5	24.25	397.00	9.00	388.00	5.50	69.00	Kelly J. McKay	I
Princeton	PRIN	1-Jan	0800	1630	10	14	Cloudy	2.00	Prtly Froz	E	10	10	3	0	0.00	2	10.50	0.75	9.75	111.00	1.00	110.00	0.00	0.00	Steven C. Shipp	
Princeton-Camanche IA	PC IA	21-Dec	0515	1730	13	25	Cloudy	0.25	Open	NW	10	25	7	1	1.25	4	35.50	8.50	27.00	301.50	6.50	295.00	2.50	33.00	Kelly J. McKay	H
Davonport	DA IA	20-Dec	0430	1700	27	30	Cloudy	0.00	Open	NE	0	15	18	12	18.00	7	51.00	14.50	36.50	542.50	15.50	527.00	9.25	84.50	Kelly J. McKay	
Rockford	ROCK	19-Dec	0630	1700	32	37	Clear	0.00	Open	NW	5	10	44	1	2.00	14-19	100.75	53.75	44.50	613.25	66.25	543.00	3.25	22.00	Daniel T. Williams	
Schapville	SCHA	2-Jan	0730	1700	8	16	Cloudy;heavy snow	8.00	Prtly Froz	NE	20	30	2	10	24.00	1	8.50	0.00	8.50	175.00	0.00	175.00	1.00	2.00	Terrence N. Ingram	
Starved Rock State Park	SRSP	27-Dec	0415	1700	31	47	Cloudy	0.00	Prtly Froz	SW	5	15	10	3	2.00	5	46.50	22.50	24.00	368.00	32.00	336.00	4.00	38.00	John McKee	
Thorn Creek-Park Forest	TCPF	2-Jan	0700	1000	20	25	Cloudy, heavy snow	15.00	Prtly Froz	N	20	20	3	23	10.00	2	5.75	2.25	3.50	29.25	1.25	28.00	0.00	0.00	Jim Kelly	
Waukegan	WAUK	1-Jan	0500	1700	15	22	Clear; light snow	1-3	Prtly Froz	N	5	15	35	48	83.50	13-16	99.50	85.50	14.00	397.50	90.50	307.00	4.50	12.50	Joel Greenberg	
White Pines	WTPN	30-Dec	0800	1500	-5	10	Prtly Cldy	0.00	Prtly Froz	NW	0	5	2	0	0.00	1	7.00	1.00	6.00	57.00	2.00	55.00	0.00	0.00	Jerry McCormick	
Bloomington-Normal	BLOM	19-Dec	0700	1700	30	36	Cloudy	0.00	Open	N	8	12	15	0	0.00	6	40.00	27.00	13.00	450.00	35.00	415.00	0.00	0.00	Dale Birkenholz	
Bushnell	BUSH	19-Dec	0700	1700	28	35	Cloudy; partly clear	0.00	Open	NW	10	12	15	0	0.00	8	54.50	16.75	37.75	443.50	14.50	429.00	0.00	0.00	Larry Hood	C
Champaign County	CHAM	19-Dec	0530	1700	34	42	Cloudy	0.00	Open	NW	0	3	23	2	2.00	11	51.50	36.25	15.25	225.90	33.75	192.10	1.50	30.00	Helen M. Parker	
Chautauqua N.W.R.	CHAU	26-Dec	0530	1615	19	31	Clear; Cloudy	0.00	Prtly Froz	W	0	3	19	1	1.00	6-7	52.00	29.00	23.00	309.75	19.75	290.00	1.75	7.00	Richard G. Bjorklund	E
Chillicothe	CHIL	19-Dec	0700	1700	34	52	Cloudy; partly clear	0.00	Open	VAR	0	0	23	0	0.00	8	73.00	22.50	50.50	558.50	19.00	539.50	0.00	0.00	Tracy Fox	
Clinton Lake	CLLK	18-Dec	0500	1700	38	52	Partly cloudy; Cloudy	0.00	Open	S-SW	10	35	18	0	0.00	8	69.00	43.00	26.00	457.50	38.50	419.00	2.00	14.00	Myrna Deaton	N
Crane Lake-Sangamon	CRLK	19-Dec	0630	1700	34	37	Cloudy	0.00	Open	WNW	5	10	7	0	0.00	4	27.50	8.00	19.50	201.50	8.50	143.00	0.00	0.00	Robert Q. Randall	
Decatur	DECA	19-Dec	0600	1800	38	43	Cloudy; light rain/snow	0.00	Open	SW-N	5	15	13	2	4.00	9	65.50	38.50	27.00	377.50	33.50	344.00	3.50	10.00	Myrna Deaton	I
Forest Glen Preserve	FGPR	26-Dec	0645	1700	16	45	Clear	0.00	Prtly Froz	Calm	0	5	20	2	4.00	10	54.75	37.25	17.50	191.40	37.00	154.40	2.00	20.00	Marilyn F. Campbell	
Hamilton Woods	HMWD	19-Dec	0600	1700	40	42	Cloudy; light rain/snow	0.01	Open	W-Calm	0	0	10	0	0.00	23	20.00	3.00	14.00	6.00	8.00	0.00	0.00	0.00	Joe Jobst	R
Middle Fork River Valley	MFRV	1-Jan	0001	1745	-2	18	Cloudy; heavy snow	5.00	Prtly Froz	E	0	5	17	2	1.50	9-12	77.50	54.00	23.50	303.00	47.50	255.50	11.75	126.00	Steven D. Bailey	
Peoria	PEOR	2-Jan	0700	1630	16	19	Cloudy; heavy snow	16.00	Prtly Froz	E	10	10	0	15	15.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L. H. Princen	A
Quincy	QUIN	26-Dec	0600	1715	23	37	Partly clear;Cloudy	0.00	Prtly Froz	S	10	10	18	3	6.00	6	44.00	5.00	39.00	359.00	5.00	354.00	1.00	10.00	Ken Vail	
Rushville	RUSH	2-Jan	0700	1630	0	10	Heavy snow; light snow	15.00	Frozen	NW	20	20	0	13	22.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Harold E.Hedden	L
Springfield	SPFD	20-Dec	0400	1700	31	40	Cloudy	0.00	Open	N	0	5	8	3	4.00	5	45.00	24.00	21.00	267.00	25.00	242.00	3.00	33.00	H. David Bohlen	
Western Morcor Co.	WMER	22-Dec	0500	1715	3	14	Clear	0.00	Prtly Froz	NW	5	20	7	0	0.00	3-4	32.50	4.00	28.50	303.00	4.00	299.00	5.00	53.00	Kelly J. McKay	
Baldwin Lake-Kaskaskia	BALK	19-Dec	0458	1729	38	28	Cloudy; light rain	0.00	Open	Var.	0	10	14	3	6.00	4-8	40.53	32.68	7.85	358.40	19.00	339.40	0.88	35.00	Tim Dever	
Bird Haven Sanct.-Olney	BIRD	19-Dec	0648	1730	41	44	Cloudy; light rain	0.00	Open	W	5	5	13	0	0.00	8	61.50	20.00	41.50	544.50	21.00	523.50	0.00	0.00	Frank E. Storment	
Carlyle Lake	CALK	28-Dec	0300	1700	24	36	Foggy; clear	0.00	Prtly Froz	W	24	36	18	0	0.00	5	49.75	32.50	17.25	312.00	32.00	280.00	6.50	55.00	Dan Kassebaum	
Collinsville	COLL	19-Dec	0645	1630	30	43	Cloudy; light rain	0.00	Open	W	10	15	13	0	0.00	5	41.00	18.50	22.50	375.00	19.00	356.00	0.00	0.00	Leon B. Hendrickson	S
Crab Orchard N.W.R.	CROR	19-Dec	0630	1630	40	45	Cloudy, fog, light rain	0.00	Open	Calm	0	5	17	0	0.00	6	62.00	24.00	38.00	338.50	9.50	329.00	1.50	10.00	Tracy R. Evans	
Cypress Creek	CYCR	21-Dec	0630	1700	37	47	loudy; light to heavy ra	0.00	Open	N	5	20	24	1	2.00	13	86.00	29.75	56.25	543.25	25.25	518.00	0.75	14.00	Judy K. DeNeal	O
Horseshoe Lake	HSLK	29-Dec	0530	1730	30	41	Cloudy	0.00	Open	NW	15	25	17	0	0.00	8-11	89.00	41.00	48.00	441.00	42.00	404.00	2.50	0.00	Vernon Kleen	
Jackson County	JACK	1-Jan	0639	1700	19	30	Cloudy; light rain, snow	1.00	Prtly Froz	NW	8	8	11	2	3.50	5	41.50	12.50	29.00	354.00	12.50	341.50	2.00	29.00	Rhonda Monroe	U
Kaskaskia Audubon	KASK	19-Dec	0700	1545	38	34	Cloudy, fog, light rain	0.00	Open	N	0	5	3	0	0.00	1	8.75	1.80	6.95	37.00	1.10	35.90	0.00	0.00	Joseph E. Merkelbach	
Lincoln Trail State Park	LINC	19-Dec	0700	1630	29	40	Cloudy	0.00	Open	Var.	0	5	18	1	0.50	8	43.00	12.00	31.00	308.25	7.75	300.50	0.00	0.00	Charlotte Connerton	I
Mermet Lake, Massac Co.	MRLK	1-Jan	0635	1635	17	25	Cloudy	0.00	Prtly Froz	Var.	8	12	7	0	0.00	5-6	50.50	14.00	36.50	356.50	11.50	345.00	2.50	0.50	Frank Bennett	
Newton	NEWT	21-Dec	0345	1645	30	40	Cloudy; light rain	0.00	Open	NW	10	20	18	0	0.00	3-7	33.50	17.50	16.00	408.00	18.00	390.00	1.00	15.00	Jeffery W. Walk	H
Pere Marquette Park	PEMR	19-Dec	0800	1600	35	40	Cloudy; light rain	0.00	Prtly Froz	W	0	5	30	0	0.00	9	64.00	20.50	43.50	269.25	22.75	246.50	0.00	0.00	Robert Thomas	
Read Lake	RDLK	19-Dec	0645	1715	43	35	Cloudy; light rain	0.00	Open	NW	5	10	20	1	2.00	6	60.00	35.00	25.00	390.50	25.50	365.00	9.00	76.00	Keith A. McMullen	
Union County	UNION	30-Dec	0600	1700	13	23	Cloudy	0.00	Open	S	5	10	26	0	0.00	13-16	118.00	58.00	60.00	505.50	49.50	456.00	3.00	0.00	Vernon Kleen	
Warbluff Valley Sanctuary	WRBV	28-Dec	0635	1708	30	38	Partly Cloudy	0.00	Prtly Froz	SW	0	7	19	1	4.50	8-Jan	74.25	29.10	45.15	400.50	24.40	376.10	1.00	0.00	Pat Brown	
					25.13	32.72							1039	216	307.50		3093.03	1655.33	1422.70	18508.70	1594.00	16867.65	140.63	1018.75		
					AvLow	AvHi							Total	Total	Total		Total			Total			Total	Total		

Illinois '98 Christmas • Northern Counts

Species	WAUK	EVNS	CHI U	CHI L	CALU	MCHE	BARR	FERM	LISL	TCPF	JOLI	KANK	DE KA	ILLI	ROCK	KISH	SRSP	WTPN	PRIN	TOTALS
Common Loon		1		1										2						
Red-throated Loon														1* ed						1
Pied-billed Grebe	2	3 hc	3 hc		2		2* hc	1	2 hc						cw		2			
Horned Grebe		2		1																
American White Pelican					1* in IN nc															
Double-crested Cormorant		1	4 hc		8		cw		4 hc		2			6			2			
Great Blue Heron	3	9 hc	7 hc		17	9	4	23	28 hc		26	1	1	30	11 hc	cw	28		4	
[Great Egret cw]								[cw - 1*]												
Black-crowned Night-Heron		1	1	cw	8															
Greater White-fronted Goose								16* hc												
Snow Goose			1			7	1	24 hc			5			602	98 hc	cw	1			
Ross's Goose														1*	3* ed nc hc	1* gd nc hc				
Canada Goose	16602	9171	1035	1984	2140	5182	13831	23602	5162	1	2188	600	2292	1327	13642 hc	2583	282	342	394	
Mute Swan	7	5		2	72	2	5	5	7 hc	1		6								
Tundra Swan											2 ph									
Wood Duck	2	5	4		1	1	2	1	1			3		1	2	cw				
Gadwall	53	28 hc	21 hc	cw	111	65	64* hc	110 hc	258 hc		91	1		70	8 hc	1 nc hc	33			
American Wigeon	8	2	2		4	14		42 hc	2		39			10	10 hc	1 nc hc	1			
American Black Duck	54	26	14		32	11	15	112	50		17			152	34	1	1			
Mallard	2373	2370	870	200	2715	1153	2481	3916	1563	7	1335	240	403	36100	3485 hc	1968	308	11	105	
Mallard X Black Hybrid			1																	1
Mallard X Wood Duck			1																	
Blue-winged Teal						10 dd					1*									
Northern Shoveler	3	28 hc	3		8	20	218* hc nc	100 hc			3		1	1						
Northern Pintail	4	1	1			10		20 hc						6	3	2 nc hc				
Green-winged Teal		2	9 hc			6	8* hc	43 hc	64 hc		22			12			1			
Canvasback	2						2 hc	13 hc							12 hc					
Redhead	3	20 hc		cw	27	4					4			1			2			
Ring-necked Duck	4	5	7	1	5	19	203* hc	31 hc			27			1	25 hc	8 nc hc				
Greater Scaup	7	981		21																
Lesser Scaup	4	18	1	18	207	6		3 hc	1		4			15	1	cw	2			
scaup sp.	550	152		230																
Harlequin Duck				1* ps	2* nc															3
Oldsquaw		11																		
Bufflehead	116	23	1	31	22	1	2* hc							5			2			
Common Goldeneye	406	1351	7	147	25		37	6	2		31			803	2	5		1		
Hooded Merganser	31	4	10	cw	28	3	51* hc	9 hc	61 hc		23			19	1	2				
Common Merganser	136	17	1	5	3	1		2	47		35			133	cw	2	390			
Red-breasted Merganser	74	113	4	368	50		1* hc		143 hc					4						
Ruddy Duck	8	6	2	8	4	1		7 hc				1		1	1 nc hc		3			
duck sp.															15					
Bald Eagle		1													2	cw	36 hc		6	
adults		1													2		20		4	
immatures																	16		2	
Northern Harrier	1					4	1*	8	1		2		1	19	3	1	5			
Sharp-shinned Hawk	3	4	1		2	4		6 hc	6 hc		3			2	1	cw	3		1	
Cooper's Hawk	6	7	1	2	6	2	3	11	8 hc	1	4		1	1	5	3	1		1	
Northern Goshawk															1* gd					
accitpiter sp.		1						2	1						1	1				
Red-shouldered Hawk		1						cw	cw					1	1	cw	2			
Red-tailed Hawk	53	56	9		61	66	73	101	100	2	47	11	10	62	128	6	63	4	19	
Rough-legged Hawk	3	1				8	1	2			1		1	4	2	2	4	2	3	
Golden Eagle															1* imm nc ps					
American Kestrel	15	13	3		47	15	15	38	26	1	47	3	4	24	28	1	36 hc	3	5	
Merlin		1*						1* hc								1* ed hc				
Peregrine Falcon	1	3*	2		1				1* hc		1 ph									
hawk sp.		1 buteo					3 (buteo)	2												
Ring-necked Pheasant					1	6		11	1	13	2		1	23	22	1	7			
Wild Turkey						20							30		123 hc		5	1		
American Coot	292 hc	33 hc	5	580	209		27 hc	86 hc	43 hc		35	12		42	21 hc	12 hc	75			
Sandhill Crane		1 nc		2* nc	3*	7*	[cw - 182]	118HC*						16*						
Killdeer			3 hc	1	4				11 hc					1	3		1		2	

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Species	WAUK	EVNS	CHI U	CHI L	CALU	MCHE	BARR	FERM	LISL	TCPF	JOLI	KANK	DE KA	ILLI	ROCK	KISH	SRSP	WTPN	PRIN	TOTALS
Purple Sandpiper	1* ps																			1
Common Snipe	cw	9	7 hc		4	1		3	3										2	
Bonaparte's Gull		5	2						1*											
Ring-billed Gull	919	1596	251	1131	1824	681	1803 hc	160	1116	16	612	8		783	150 hc	7	1088	8	1	
Herring Gull	599	147	94	161	1792	1	3510 hc	54	37		11	9		237	10	1	436		1051	
Thayer's Gull	5	4* hc ph	1	4			3* hc										1			
Iceland Gull	1	1		1*ph			2* hc													
Lesser Black-backed Gull		1			1*		1* hc nc													
Glaucous Gull	2	1																	1	
Great Black-backed Gull	1	1*ph																		
gull sp.	259	322					191	50	17						1					
Rock Dove	353	877	1900	75	1203	768	485	950 hc	1713	31	357	55	18	266	730	34	44	21	32	
Ringed Turtle-Dove											67									
Mourning Dove	402	626 hc	90	cw	479	186	612 hc	1317 hc	411	119	723	15	29	347	358	61	75	8	54	
Monk Parakeet			2	4	61															67
Eastern Screech-Owl	7	34	3			1	8	7	37 hc		2			5	5	1	2			
Great Horned Owl	9	15	3		2	3	6	25	16		6		1	5	12	3				
[Snowy Owl cw]	cw																			
Barred Owl									[cw - 2]	1				1	7	1	1			
Long-eared Owl	2						11	8	2						2					
Short-eared Owl						8		11			1			6	2		5			
Northern Saw-whet Owl		1 ho							1											
owl sp.															3					3
Belted Kingfisher	8	10	5		6	5	10 hc	19	10		12		4	7	11 hc	1	10	1	2	
Red-headed Woodpecker		8	1		3			4	5	1	3		1	3	5	cw	1			
Red-bellied Woodpecker	52	80	23		32	46	38	71 hc	121 hc	9	23	4	8	20	75	25	37	2	15	
Yellow-bellied Sapsucker	2	2	cw		1				1		1					cw				
Downy Woodpecker	114	186	122	4	87	132	73	235 hc	244 hc	47	99	8	32	46	245 hc	77	60	9	15	
Hairy Woodpecker	30	86 hc	35		4	16	8	46 hc	41	3	8	1		3	28	15	11		4	
Northern Flicker	4	2	1		2	8	8	29	22	1	4		2	27	12	4	5	1	12	
Northern Shrike					1	1	2	5	5 hc						1					
Blue Jay	80	93	21		93	56	33	69	177	61	34	13	18	38	138	27	26	15	17	
American Crow	495	2599	640	21	599	708	5611	1527 hc	1194 hc	76	317	54	513	749	4086	1073	202	38	69	
Horned Lark	7					71		12		184		2	1786	509	20	203	34	3	196	
Black-capped Chickadee	404	657	248	5	184	314	256	881 hc	871 hc	52	207	4	43	106	598 hc	113	158	32	37	
Tufted Titmouse		1	cw		23		2	14	30	23	4	4	1	22	35	22	32	7	17	
Red-breasted Nuthatch	6	1	1				1	2	2	4	3				10	4		1		
White-breasted Nuthatch	47	91	26		40	66	30	94	181 hc	14	30	3	14	30	168	34	34	13	20	
Brown Creeper	3	8	28			2	10	40	27	1	11	6	5	19	69	30	25	2	2	
Carolina Wren	1		1		3			4 hc	13	5	1	1			1	1	10		1	
Winter Wren	4	2	4 hc	2				4 hc	2		1			2	1	1	1			
Marsh Wren									3* HC m											3
Golden-crowned Kinglet	8	13	8	3	2	3	2	37	16		5	4			11	7	10			
Ruby-crowned Kinglet		1	1	1					6 hc m		2									
Eastern Bluebird	11 hc	2*							6		5			2		3 hc			2	
Hermit Thrush	5	12 hc m	2				1*	3 hc	2			1			1	2 nc hc				
American Robin	1033	1208	266 hc	4	53	269	365 hc	669 hc	1392 hc	6	2717	40	15	8	138 hc	612 hc	5		61	
Northern Mockingbird											1									
Brown Thrasher			1																	
European Starling	2196	2633	2100	72	5320	3259	1763	3258	7214 hc	72	4027	1000	367	5057	3608	456	20556	35	250	
Cedar Waxwing	5	62	15			4	7	36	61						3	8				
Orange-crowned Warbler			1																	1
Yellow-rumped Warbler	15	53 hc	17	3	1	1	2*	13	54 hc			1								
Pine Warbler		2* ps gd																		
Common Yellowthroat															1* gd					1
Yellow-breasted Chat			1* ps, vt																	1
Eastern Towhee		1																		
American Tree Sparrow	1220	247	89	2	532	391	1005	1364 hc	1167	33	230	24	58	461	887	406	123	5	181	
Field Sparrow							2			4? nd				1*			1			
Savannah Sparrow	5 hc							[cw -2]												
Fox Sparrow	1	9	1		2		1*	2	9 hc		3				1					
Song Sparrow	28	33	13	3	92	11	26	67	67	3	38	1	10	13	18	21	11	2	1	

Illinois '98 Christmas • Northern Counts

Species	WAUK	EVNS	CHI U	CHI L	CALU	MCHE	BARR	FERM	LISL	TCPF	JOLI	KANK	DE KA	ILLI	ROCK	KISH	SRSP	WTPN	PRIN	TOTALS
Swamp Sparrow	13	12	1		12	4	11	32	29		5			7	5		7			
White-throated Sparrow	22	32	63			3	36	39	81	5	16	5		2	2	14	4		2	
Harris's Sparrow								1*												
White-crowned Sparrow	2	1	1		54		45 hc	41 hc	1	1	3				1	4 hc			1	
Dark-eyed Junco	686	834	430	13	655	720	1098	1185	1597 hc	282	823	30	141	498	1388	1100	316	34	246	
Oregon form							2									2				
sparrow sp.															1					
Lapland Longspur			4						[cw -100*]	2			570	4	48	674			2	
Snow Bunting			cw					1	1	2			20	194		80				
Northern Cardinal	224	369	144	7	151	192	388 hc	534 hc	501 hc	145	194	20	32	75	343	138	117	17	113	
Red-winged Blackbird	1	1	2		184	651	16	71	256		51			13	6	cw	8327		10001	
Eastern Meadowlark								25	1					1			1			
Rusty Blackbird					1			1			2				3		30			
Common Grackle		3	1		33	4		4	2		152			6			2100		163	
Brown-headed Cowbird	3		1		228	185		1	22	11	1			62	20		4022		38	
blackbird sp.									2						5					
Purple Finch	4		2			1				6			2	1	1	cw				
House Finch	173	212	92		234	227	222	265	136	136	133	18	43	15	711 HC	214	7	6	25	
[Red Crossbill cw]	cw																			[cw]
White-winged Crossbill	2																			2
Common Redpoll	1				1															
Pine Siskin	2													1	3					
American Goldfinch	209	513	161	13	299	148	117	415	391	179	143	15	2	127	176	81	69	6	28	
House Sparrow	956	1025	2250	40	890	506	992	770	1583	393	464	68	94	704	1055	273	662	47	185	
Total species	**82**	**90 hc**	**79**	**39**	**73**	**67**	**65 hc**	**81 hc**	**77**	**41**	**72**	**38**	**38**	**78**	**79 hc**	**58**	**68**	**30**	**45**	
Total individuals	**31468**	**29223**	**11210**	**5171**	**21014**	**16310**	**35865**	**42947**	**28493**	**1954**	**15549**	**2292**	**6574**	**49981**	**32914 hc**	**10435**	**39962**	**677**	**13387**	

Illinois '98 Christmas • North/Central Counts

			Northern									*Central*								
SPECIES	SCHA	CL IA	PC IA	DA IA	ANDA	MU IA	MFRV	FGPR	CHAM	HMWD	BLOM	CLLK	DECA	CHIL	PEOR	CHAU	CRLK	SPFD	BUSH	TOTALS
Common Loon												7 rn hc					1	3		
Yellow-billed Loon											1* rr ph									1
Pied-billed Grebe				4			9 hc				13	28 hc	32	3		7	14	49 hc		
Horned Grebe				1*							1	6	4					13		
Eared Grebe																		1*		
American White Pelican																7				
Double-crested Cormorant				4								2 hc				5	25			
Great Blue Heron		5	2	3		19	16 hc	2	1	1	. 1	47 hc	35	37		185 HC	40	25 hc	5 hc	
Turkey Vulture					1* ad		13													
Greater White-fronted Goose											16*	21		12 hc		7				
Snow Goose											3						500	cw		
Ross's Goose											1									
Canada Goose	cw	1112	191	613	18	1376	1185	72	446	111	2496	399 lc	496	1229	cw	4324	153	698	558 hc	
Mute Swan																11	9	9 hc		
Trumpeter Swan					1*															1
Tundra Swan		126*														54* hc				
Wood Duck		6				1	1			6		2	2	2		25	11	2		
Gadwall		19		8	6	12	43	6			15	419 hc	64	63 hc		281	21	171	25 hc	
American Wigeon		3		8		1			1		33	38	24	10 hc		13	6	9		
American Black Duck		35		7	2	9	3				26	40	40	1		76	32	5	33 hc	
Mallard		22564	624	1289	253	1797	727	42	89	139	3278	6125	2339	779	cw	25042	4526	663	9404	
Mallard X Wood Duck							1													2
Blue-winged Teal													1* nc, gd							
Northern Shoveler							3				17	110 hc				81	237	18	cw	
Northern Pintail		35	1	3		3		1			2	6		4		21	78	1	cw	
Green-winged Teal			2	14			2 hc					52 hc	1			146	14	2		
Canvasback		321		2	1	11						6					18	1		
Redhead		11										2					3	1		
Ring-necked Duck		95		3				1			32	6		1 hc		206	1211	9		
Greater Scaup												3								
Lesser Scaup		59	1	47		14		15			5	4	7		cw	18	19	33	1 hc	
White-winged Scoter		1*																		
Bufflehead			12	18			2 hc					16	11			5	48	38 hc		
Common Goldeneye		233	52	15	15	3	4				2	169	63			7	1	145		
Hooded Merganser		4		5			19 hc				2	34	22	3		15	150	149 hc		
Common Merganser		91	28	5	10	307	6 hc					1	3	4		68		2		
Red-breasted Merganser				1*								3				2		5		
Ruddy Duck		33		4	1						19	215 hc	59			34	39	50 hc		
duck sp.								500								25				
Bald Eagle	2	121	79	49	63	123						2		15		99	28	cw		
adults	2	65	47	34	51	69								10		58	18			
immatures		56	30	15	10	54								5		41	10			
unknown			2		2							2								
Northern Harrier		2		1	2	4	5	1	1	14	1	3	1	1		2	10	1	4	
Sharp-shinned Hawk	1	1	2			2	1		2		3	4	2	6		4	1	2		
Cooper's Hawk	cw	3	1		3	3		1	2	1		2	2	2		1	1	3	3 hc	
Northern Goshawk												1								2
accipiter sp.								1												
Red-shouldered Hawk								1					1							
Red-tailed Hawk	2	56	25	50	50	60	19	23	31	25	25	33	31	76	2	70	39	30	34 hc	
Rough-legged Hawk	1	4		2		2	2	2	1		2			2		2	2		5 hc	
Golden Eagle																1 sub ad.				
American Kestrel	1	25	10	31	10	30	7	11	23	20	45	28	17	48	1	22	9	33 hc	28 hc	
Merlin									1* gd											4
hawk sp.								2											3	
Ring-necked Pheasant	cw	11	2	3		14	10	8	54	35	34	17	9			3		3		
Wild Turkey	cw		84	16		23	28 hc	8		24	1 nc					8	1	6 hc		
Northern Bobwhite			15			1	1	22		6		5	6	21		4	15	10		
American Coot			77	1			3		1		223	48	31	26		75	279	25		
Sandhill Crane														2*						
Killdeer		2	2	13					7	3		34 hc	53	3	cw	16	7	5	9 hc	

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			Northern									*Central*								
SPECIES	SCHA	CL IA	PC IA	DA IA	ANDA	MU IA	MFRV	FGPR	CHAM	HMWD	BLOM	CLLK	DECA	CHIL	PEOR	CHAU	CRLK	SPFD	BUSH	TOTALS
Common Snipe	1		11	4		1	1		6				9	2		19			7 bc	
Bonaparte's Gull												210	105				32	98		
Ring-billed Gull			620	1508	1221	633	12		cw		26	2000	4337	1385	cw	190	261	3255		
Herring Gull		2	188	217	66	230	cw					11	20	34	cw	3	9	9		
Thayer's Gull				1*									1							
Iceland Gull																		cw		5
Lesser Black-backed Gull																		1		
Glaucous Gull				1																5
Great Black-backed Gull						1														3
gull sp.																5				
Rock Dove	4	1955	18	1297	123	1080	120	18	927	100	917	127	159	114	2	29	27	327	33	
Ringed Turtle-Dove										1										
Mourning Dove	15	81	92	594	9	422	182	137	155	150	105	165	95	458	161	106	41	691	191	
Barn Owl										[17 rd]										
Eastern Screech-Owl		16	2	4		8	30	1	6	8	1	2	5	1		2	1	6		
Great Horned Owl	1	18	3	17	3	8	36	11	13	13	7	3	5	2		9	2	18	3	
[Snowy Owl cw]	cw																			[cw]
Barred Owl		14		8	2	9	12	5	3		4	8	4	3	cw	3		3	1 bc	
Long-eared Owl							3													
Short-eared Owl		8				2														
Northern Saw-whet Owl								1												3
Rufous Hummingbird																		1*ph NC RR		1
Belted Kingfisher	cw	4	1	9	4	9	8	9	11	2	6	7	16	6		13	2	5	1	
Red-headed Woodpecker	3	2	2	26	6	5	5	5	6	11	2	2	7	40		4	1	4	28 bc	
Red-bellied Woodpecker	18	48	21	37	31	81	70	54	42	20	36	39	50	114	15	87	69	85	39 bc	
Yellow-bellied Sapsucker		2		1	1		1	1	cw	5		1	2	1	cw	2	1	cw		
Downy Woodpecker	29	83	62	143	79	117	132	102	85	45	96	59	88	127	35	91	32	78	51 bc	
Hairy Woodpecker	9	13	16	23	16	17	18	22	2	4	4	4	6	8	6	14	17	11	2	
Northern Flicker	3	15	10	22	10	20	42	20	27	10	9	28	14	38	9	64	15	39	13 bc	
Pileated Woodpecker		2	2	5	2	10	26 bc	17	2					2	1	6	6	4		
Eastern Phoebe													1* ed							
Loggerhead Shrike			1* in IA																	
Northern Shrike	cw						1												1* gd	17
Blue Jay	35	136	47	152	54	140	137	142	77	70	55	63 lc	90	118	19	49	19	102	97 bc	
American Crow	13	372	158	1515	165	378	111,500	8327	254	200	8620	474	647	242	37	797	153	6360 hc	244 hc	
Horned Lark	436	9	50	7	1	6	923 hc	11	53	80	32	690	41	67		20	30	5	95 bc	
Carolina Chickadee							158	170	21	3										
Black-capped Chickadee	70	175	129	329	304	178			6	40	204	116	135	480	75	112	92	187	50 bc	
Tufted Titmouse	27	82	34	66	24	54	154	183	26	10	67	36	103	136	28	59	42	126	30	
Red-breasted Nuthatch	6				2					10	2	1		3		3				
White-breasted Nuthatch	24	93	32	145	100	113	74	88	11	40	46	31	28	107	23	50	38	61	19 bc	
Brown Creeper		36	19	51	17	15	14	13	24	7	37	11	17	11	2	6	8	17	2	
Carolina Wren		8		6		4	22	15	27	6	8	21	24	14	3	19	26	63 bc	2 bc	
Winter Wren		3	1	1		1	9 bc	1	3			6	5	2		2	1	cw		
Golden-crowned Kinglet		7	7	3	5	2	17 bc	13	3		8	30 bc	3	2		19	5	26	4 bc	
Ruby-crowned Kinglet												2		4		1	1	1		
Eastern Bluebird	1	5	10	3			4	24					4	33 bc		19	19	5	20 bc	
Hermit Thrush							1		4			1						cw		
American Robin		563	180	41	1	291	120 bc	25	423	6	714	30 bc	20	1284 hc	3	538 hc	135	221	47 bc	
Northern Mockingbird							1					1	8	5		4		10	3	
Brown Thrasher							1				1							cw		
European Starling	9	2191	460	2564	437	5556	1570	374	37400	333	6841	1300	3599	2989	112	5836	5363	1664	2200 hc	
Cedar Waxwing	cw	46		12		2	19		7		1			41		6		15	36 bc	
Yellow-rumped Warbler		2*				1*								1		16				
Eastern Towhee				1			2	2			1				1	1				
American Tree Sparrow	125	364	306	467	354	889	2136 hc	366	1102	57	267	161	178	186	8	488	162	180	266	
Field Sparrow							4	2		25		2	6	2		1			1	
Savannah Sparrow							3		2			2				1				
Le Conte's Sparrow							1* nc													
Fox Sparrow	2			1		1	4	5	1		7	2	4			7	2	2		
Song Sparrow	2	23	14	70	20	27	179	34	74	42	26	28	106	24	2	77	56	92	23 hc	

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			Northern										*Central*							
SPECIES	SCHA	CL IA	PC IA	DA IA	ANDA	MU IA	MFRV	FGPR	CHAM	HMWD	BLOM	CLLK	DECA	CHIL	PEOR	CHAU	CRLK	SPFD	BUSH	TOTALS
Swamp Sparrow		7	6	20	4	42	105		17		8	5	63			30	28	11	1 hc	
White-throated Sparrow		7	1	30		9	23	4	64	21	45	49	50	22	14	34	18	48	1	
Harris's Sparrow						2* in IA														3
White-crowned Sparrow			6	2			17	4	29			2	20			15	5	16		
Dark-eyed Junco	280	829	476	1480	354	898	1463	532	854	225	184	453	538	770	196	696	240	493	469 hc	
Oregon supspecies																			8	12
Lapland Longspur	5	39	60	3	12		28		2			815				1	2		103	
Snow Bunting	cw	2					12		1	2	2	2 nc								
Northern Cardinal	49	151	171	317	146	210	300	154	317	65	221	193	177	413	143	241	63	250	137 hc	
Red-winged Blackbird		700		559		2	1		3	1	20	52	37	13		3526 hc	3060	2		
Eastern Meadowlark								16				21	2			2	1			
meadowlark sp.			2																	
Rusty Blackbird										9							2			
Brewer's Blackbird	cw																			
Common Grackle	cw	2	1	8		4		20	3	50	1	1		4	8	5420 hc	8001	8		
Brown-headed Cowbird		10		10		89		50	150	45	5	1	1		3	80	1	8	4	
Purple Finch	39	3		19			9	1	2	16	1	2	2	1		cw			1	
House Finch	73	62	97	137	21	236	99	197	39	60	31	6	61	72	135	2	3	78	18	
Common Redpoll							1	3												6
Pine Siskin				4		20		2				1								
American Goldfinch	169	83	67	83	33	142	172	157	46	38	18	105	110	148	96	61	128	140	19	
House Sparrow	94	2253	438	1961	488	4301	695	96	744	435	252	710	784	1436	270	418	185	627	1156	
Eurasian Tree Sparrow					21	45										180	143	39	132 hc	
Total Species	33	72	59	79	50	69	78	62	60	52	70	90	78	72	29	91	81	83	53 hc	
Total Individuals	1549	35504	5031	16204	4572	20126	122783	12153	43736	2661	25258	16027	15181	13222	1410	50462	26078	17713	15689 hc	

Illinois '98 Christmas • Central/South Counts

		Central										*South*							
Species	RUSH	WMER	QUIN	LINC	NEWT	BIRD	KASK	BALK	RDLK	JACK	CROR	CYCR	CALK	UNION	HSLK	MRLK	COLL	WRBV	PEMR	TOTALS
Common Loon									7								1			23
Pied-billed Grebe			1	3	99 hc	18		39	94 hc	12	108 HC	11	19 hc	5	1		39	2	3	630
Horned Grebe					1			52 HC	37 hc		4		4				13			139
Eared Grebe									1*gd			1*gd								3
American White Pelican																			501 HC	509
Double-crested Cormorant								13	1597 HC	1	7		11		5		3		100	1800
Great Blue Heron		15	95hc	10	33	15	2	46	112	8	165	25	82	63	106	29	27	9	105	1572
[Great Egret cw]																	cw			cw
Black-crowned Night-Heron																	11			21
Black Vulture										4		200 HC				4				208
Turkey Vulture				141	6	36			cw	2		150	1	1	35	61		1		448
Greater White-fronted Goose					15			89	1			16	276	360 hc	240	13				1082
Snow Goose				4	67			6723	16100		2		35401 hc	40	700	8500			4077	72856
Ross's Goose					1				1				1 hc		2	2			7* hc ed	20
Canada Goose	20	766	1507 hc	877	175	428		666	121	819	3200	19	164	10000	10000	745	368	7	260	147979
Brant															1* nc gd					1
Mute Swan					2						1		cw							144
Tundra Swan														2						184
Wood Duck		4	1		8				3		5	87		29	6		1		1	226
Gadwall		5	6 hc		18	5		72	126 hc	84	324	7999 HC	3	824	99	26	363		740	12761
American Wigeon		3			6			71	36		22	3610 HC	23	123	167	5	4		12	4363
American Black Duck		34			185	3			47	1	10	344	93	133	75	10	cw		4	1767
Mallard		35816	571	10	5344	296	7	3791 hc	266	459	5572	50402	38873	11000	9000	491	621	6	6252	310060
Blue-winged Teal								1* qd				30								43
Northern Shoveler		3			19	5		11	12	8	537	1967 HC	277 hc	86	244 hc	21	17		312	4370
Northern Pintail		65	1		15				2		3	2626	28	9	144	9		7	313	3424
Green-winged Teal		10	8 nc		93	21 hc		14	275 hc	4	121	3466 HC	6	55	280 hc	6	2		230	4991
Canvasback		1	4 hc		26			2	2		2	26	460 hc	9	1	10			1	933
Redhead					12				1	2		23	3			15				134
Ring-necked Duck		12			6	1		288	476		709	13844 HC	22	271	114	3	cw	8	930	18584
Greater Scaup				1nd																1013
Lesser Scaup			3		38	6		2	64	45	64	4173	75 hc	28	9	4	13	1	35	5063
scaup sp.						1												1		934
Oldsquaw					5															16
White-winged Scoter													cw							1
Surf Scoter		1*gd																		1
Bufflehead		3			220 HC	13 hc		22	90 hc	37	83	8	56 hc			4			1	890
Common Goldeneye		9	3		79	3		13	36		2	2	636 hc	7			59	3	21	4405
Hooded Merganser		2	1 nc		179	11 hc		6	79		588 HC	12	109	32	18	13	19		88	1802
Common Merganser		69	6									10	636 hc				cw		1	2019
Red-breasted Merganser					4				4				17		3 nc				2	798
merganser sp.						1														1
Ruddy Duck		1			517 hc	46		21	14	6	33	3	34 hc	55		2	99		802 HC	2129
duck sp.						12		40									1	23		2745
Bald Eagle	3	112	16					2	5	3	11	6	4 hc	31	37	5	cw	2	103	966
adults	3	53	13					2	3	1	2	6	3	19	22	3	cw	2	40	553
immatures		47	3						2	2	9		1	12	15	2			59	391
unknown		12																	4	22
Northern Harrier		1	2	3	13	7	3	17	5	3	1	77 HC	25 hc	39 hc	21	10	1	27	2	356
Sharp-shinned Hawk	1		1			3			9		2	3	2	5	9 hc	1	6	6	2	117
Cooper's Hawk		2	1	1	1	3 hc		1	3	1		3	2	2		1	1	4	3	120
accitpiter sp.						3		1	2					1						14
Red-shouldered Hawk		1				2 hc	1	1		3		4		7	3	4	cw	6		39
Red-tailed Hawk	1	33	40	28	14	23	14	52	46	18	31	99	64	81	48	46	33	71	70	2364
Rough-legged Hawk		2	1	2						1		1						1	1	70
Golden Eagle																1				3
American Kestrel	9	10	43 hc	35	13	46 hc	9	40	51	25	17	141 HC	41 hc	55	55	39	49	45	22	1468
Peregrine Falcon				1nd													1			11
falcon sp.						1														1
hawk (buteo) sp.						2											1			14
Ring-necked Pheasant		1																		292
Greater Prairie-Chicken					61															61
Wild Turkey	73	11	20	21	3	39 hc		11	26 hc		15	10		114	24 hc	136	1	26	20	928
Northern Bobwhite	4	12		4	8	28		41	14		31	12	59 hc		23	18	12	9	22	403
Sora														1 dd						1
American Coot					82	423		84	8	320	353	1000	782 hc	89	3		135		61	5601
Sandhill Crane								7* ed						1						157
Killdeer			1	33	10	151 hc	9	27	97 hc	4	21	208	97 hc	25	21	21	16	5	3	929

Illinois '98 Christmas • Central/South Counts

		Central										*South*								
Species	RUSH	WMER	QUIN	LINC	NEWT	BIRD	KASK	BALK	RDLK	JACK	CROR	CYCR	CALK	UNION	HSLK	MRLK	COLL	WRBV	PEMR	TOTALS
Least Sandpiper									52* HC				1* hc ed		8* hc ed		{2-cw}			61
Common Snipe		1	1					2	30 hc			15	13 hc	28	14	1		5	6	206
American Woodcock									1											1
Franklin's Gull																	1* gd			1
Bonaparte's Gull					236			52	903		23	20	593 hc		2 nc	31	120		25 nc	2458
Ring-billed Gull		617	519		717	1		26	404	170	593	294	25330 hc	77	117	276	3900	28	420	61091
Herring Gull		25	8		6			1		1		1	78	1		13	50			9123
Thayer's Gull																	1			21
Lesser Black-backed Gull									1* nc				cw				cw			5
gull sp						1		1												847
Rock Dove		108	106	139	46	93	8	23	51	234	97	210	83	70	23	201	174	26	22	19003
Mourning Dove	43	36	227	238	144	966 hc	25	121	233	152	108	590	181	348	320	232	198	583	27	14534
Barn Owl												2								2
Eastern Screech-Owl		5				3 hc			11	5	1		15 hc	24 hc	5	1		7		282
Great Horned Owl		5	8		1	2	1	11	11	2	6	2	18 hc	14	8	3	5	5	3	383
Barred Owl		2		1	3	6		8	4	3	2	13	7	8	5	4	3	5	3	167
Long-eared Owl									3				1 hc							32
Short-eared Owl					6			8	5			5	16 hc	4						87
Belted Kingfisher		4	13	1	7	4 hc	1	4	11 hc	2	6	6	8	9	11	4	6	5	5	341
Red-headed Woodpecker	3	3	4	6	3	6		21	3	65	3	9	1	45	78	27	2	5	134	612
Red-bellied Woodpecker	14	41	55	42	22	36	13	40	33	29	34	88	38	208	211	58	37	60	141	2837
Yellow-bellied Sapsucker					2	2	1		cw	2	2	7		33	14	6		6	7	107
Downy Woodpecker	15	48	51	30	38	29	9	45	66	39	48	114	77 hc	374	182	43	50	89	97	4813
Hairy Woodpecker	4	17	6	2	7	10	2	8	14	8	10	24	17	54	48	12	4 -	19	13	830
Northern Flicker	4	17	14	17	22	27	10	39	67	43	76	200	19	214	220	64	19	91	90	1805
Pileated Woodpecker		4	6	2		2		5	2	24	10	13	3 hc	93	29	7	5	39	18	347
Eastern Phoebe										1*		2		12 HC		2		3		21
Loggerhead Shrike					4	9		1	1		1	3	1	2		4		4		31
Blue Jay	41	29	100	76	61	115	11	94	65	112	158	197	58	125	210	104	47	167	173	4554
American Crow	14	28822	191	322	100	196	41	70	222	88	214	143	355 hc	127	38	57	689	268	233	193217
Horned Lark	45	25	2	381	151	152		17	41	504	8	163	123	230	171	112	21		41	7770
Carolina Chickadee				62	124	167	31	119	155	180	120	165	132	413	294	88	68	173		2643
Black-capped Chickadee	35	96	102														13		155	8253
Tufted Titmouse	24	23	46	86	62	136	23	87	88	117	93	106	72	226	214	104	32	134	163	3360
Red-breasted Nuthatch	1							1		1				2				2		69
White-breasted Nuthatch	18	46	40	38	9	37	8	45	13	48	18	25	38 hc	170	86	17	14	85	79	2892
Brown Creeper		9	7	1	2	2		10	15	6	3	9	13	21	25	11	9	10	3	751
Carolina Wren	1	3	10	8	10	26	2	41	53	31	64	119	42	155	168	39	19	55	54	1210
Bewick's Wren																		1* ed		1
House Wren															3					3
Winter Wren		1						1		1		5	13 hc	30	53 HC	7		12	1	183
Golden-crowned Kinglet		1	2	16	10	7		21	156 hc	36	56	68	77 hc	99	117	49	9	115	16	1138
Ruby-crowned Kinglet			1					1	2		1	10	1	17	21	2	1	40	5	122
Eastern Bluebird		1	15	8	70	136 hc	11	26	73	76	47	235	39 hc	246 HC	197 hc	117	14	140	105	1734
Hermit Thrush		1*gd						2	2	11	1	8		47	22	3		21	1	154
American Robin		163		216	82	768 hc	13	100	253 hc	44	150	90	13	105	169	60	203	440	828	17200
Northern Mockingbird			2	1	3	51 hc	8	13	17	17	27	40	5	15	23	35	25	21	8	344
Brown Thrasher				1	2			1	2	2	1	1		9	11	5		1		39
European Starling	57	728	1027	1369	968	12043 hc	234	2370	11246	1248	1523	14958	3580 hc	2500	7400	5982	2690	2465	3079	219508
American Pipit													2* hc ed	2						4
Cedar Waxwing			23			4			3				3	3					62	484
Yellow-rumped Warbler										15	2	8		40	77	28	1	10		361
Pine Warbler																		1* ed		3
Palm Warbler														1 dd						1
Eastern Towhee			1		1	15 hc			12	13	11	40	1	18	21	21		23	1	187
Spotted Towhee													1* hc ed	1* gd						2
American Tree Sparrow	36	382	158	184	213	116 hc	3	140	146	113	4	267	324	127	39	21	19	15	254	10986
Field Sparrow	7			10	45	42	5	4	38	34	12	299 HC	23 hc	66	100	116	1	134	2	989
Vesper Sparrow										2* gd					1 gd					3
Savannah Sparrow					80 hc	7 hc		12	26 hc		1	5	27 hc	232 HC	40	3		33	76	555
Le Conte's Sparrow					1			1	31 rn	7		8	5 hc	2	8 hc	1		3		68
Fox Sparrow	5		1					12	6	17	1	15	2	25	26	9	2	16	6	210
Song Sparrow	9	22	23	49	83	77	14	78	248	282	94	627	797 hc	828	411	236	48	358	174	5835
Lincoln's Sparrow									1 nc	1* qd					1* gd					3
Swamp Sparrow		1	4	4	17	20 hc		19	142	211	10	573	835 HC	551	368	160	8	36	83	3527
White-throated Sparrow	10		3	5	24	69 hc	7	111	159	490	160	1076	526 hc	1098 hc	1491	361	111	267	169	6903
White-crowned Sparrow	9		3	9	21	25	10	66	26	92	4	3392 HC	139	157 hc	75	88	183	55	103	4728
Dark-eyed Junco	238	443	423	364	802	412 hc	164	379	667 hc	1425	576	1488	489	2039 hc	885	1440	126	893	628	37387

Illinois '98 Christmas • Central/South Counts

		Central										*South*								
Species	RUSH	WMER	QUIN	LINC	NEWT	BIRD	KASK	BALK	RDLK	JACK	CROR	CYCR	CALK	UNION	HSLK	MRLK	COLL	WRBV	PEMR	TOTALS
Lapland Longspur		3			8	8			2	207		100	307 hc	121	2	2				3134
Snow Bunting													1 hc							320
Northern Cardinal	94	96	174	160	221	364	92	247	298	358	535	907	466	836 hc	904	452	168	457	319	14570
Red-winged Blackbird	5	80		224	2	229 hc	150	753	40046	798	1368	24000	28	2700	5000	21575	1743	1482	25348	153087
Eastern Meadowlark			1	15	85	221	6	55	86	31	31	563	47	201	248	294	13	165		2132
meadowlark sp.		1																		3
Rusty Blackbird	10				10	98			94	2	50	516	100	127	133	7			21	1216
Brewer's Blackbird													16* hc ed							16
blackbird sp.						5		13		55500	745						2850	15270	21000	95390
Common Grackle	15	14	3		5	240	330	8642	100869	1233	1830	118160	10	4100	117	34178	81	7337	40076	333239
Brown-headed Cowbird		28				55		33	5170	718	100	3337	38	900	800	1226	15	108		17579
Purple Finch	9					3				5		1		2	1			6	10	150
House Finch	56		111	20	8	47	4		16	22	12	45	13	3 lc	16 lc	22	34	33	56	4814
Pine Siskin						2											1			36
American Goldfinch	188	104	109	62	101	218	30	118	78	48	49	318	116	327	140	143	73	68	125	7322
House Sparrow	197	452	708	915	283	714	16	144	258	81	48	343	1352	189	247	127	221	219	441	37255
Eurasian Tree Sparrow	81	63	52 hc														93		131	980
misc. other sp.						20														20
Total species	**37**	**70**	**66**	52	**85**	75	**43**	**83**	**97**	**81**	**83**	**97**	**96**	**97**	**92**	**91**	77	78	**86**	**162**
Total individuals	**1390**	**69574**	**10919**	**6257**	**12306**	**19696**	**3059**	**26528**	**182601**	**66877**	**21191**	**264661**	**115245**	**44433**	**43162**	**78254**	**16026**	**32392**	**110147**	

Townsend's Solitaire Winters in DuPage County

by Melinda Born Chapman

After an early January 1999 blizzard dumped almost 2 feet of snow in northeast Illinois, I was forced to abandon my favorite hiking trails at the Morton Arboretum in Lisle, Du Page County. Cross-country skiing is no longer allowed, and I don't own a pair of snowshoes! When the snow cover started to recede in late January, I was eager to hit the trails.

On Sunday, 31 January 1999, I arrived at the Arboretum at approximately noon, and proceeded to hike Tree Trail Loop 2. The area consists of pine plantation, open sections with foreign plant collections, and an oak woodland that had very recently been cleared of alien shrubs. I very rarely hike solely to bird, but instead pick an area I enjoy hiking and then consider any avian finds a bonus.

Townsend's Solitaire at the Morton Arboretum. 6 February 1999. Photo by Eric Walters.

I paused to enjoy a small flock of Eastern Bluebirds along the woodland edge. I didn't recall seeing them in this area before, and attributed it to the recent underbrush clearing. While I was watching them, I caught a flash of pale grey in the comer of my binoculars. My first thought was, a Northern Mockingbird, which would have been a rare sighting in DuPage County. But after focusing on the bird, I noted a pale eye ring.

Townsend's Solitaire (*Myadestes townsendi*)? It couldn't be!

The bird began to flit around, apparently finding insects among the piles of newly chopped wood chips. I observed the grey-colored body and breast, buffy wing patches and white outer tail feathers. I enjoyed watching the bird for about 15 minutes before running to the car for my cell phone.

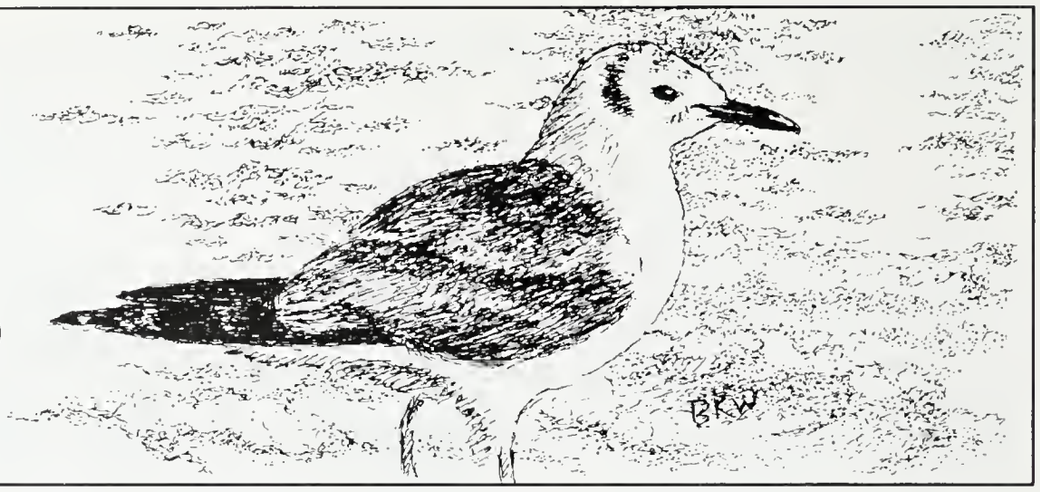
I phoned Tom Koz, a friend, and asked if he wanted to see a rare bird. He thought I was kidding. I told him I was absolutely serious, and asked if he could bring a field guide. I gave him directions, then went back to relocate the bird. When Tom arrived, I checked Peterson's Field Guide. It was a Townsend's Solitaire! Tom was able to get quite a few good photos before the bird flew away. A relaxing hike turned out to be an unbelievable event.

My observation constituted the fifth sighting in 40 years for a Townsend's Solitaire at the Morton Arboretum (Meadowlark 5:109). Since the first occurrence of Townsend's Solitaire in Illinois 120 years ago until the winter of 1995/1996, there had been 16 state records. With the sighting of a Townsend's Solitaire in Rockford 28 December 1996 through 3 March 1997 (Meadowlark 6:117) and my 1998 Morton Arboretum sighting, Illinois now has 18 records.

The Arboretum solitaire was seen at least until 21 March 1999 and appeared to be subsisting on a diet of berries and insects. It was seen in the company of American Robins, Eastem Bluebirds, and an Eastern Phoebe.

—Melinda Born Chapman
9 Oak Leaf Court
Woodridge, IL 60517

Field Notes



Drawing of Bonaparte's Gull by Brian Willis.

The 1998/1999 Winter Season

by Kelly J. McKay

The winter of 1998-99 continued the recent trend of mild weather. Throughout most of the season, the entire state enjoyed substantially higher than normal temperatures, and the larger lakes and rivers showed minimal freezing. In general, precipitation seemed fairly normal. The central and southern portions of the state experienced a couple of significant precipitation events. However, it was the major winter storm of January 1-3 which produced most of the snow in the northern 2/3 of Illinois. Most of this area received between 12 and 16 inches.

During the first 20 days of December, mild temperatures dominated much of the Midwest. A cold front passing through Illinois on 21-22 Dec ushered in the first seasonably cold temperatures. This was followed by the strong winter storm which occurred on January 1-3. Following the storm, temperatures remained at or below normal for the first three weeks of January. This allowed the snow cover to persist throughout the month. Temperatures returned to above normal during the last week of January and remained there throughout February. In fact, much of the state experienced near or above record high temperatures in early February. In sum, true wintry weather spanned only four weeks beginning the last week of December. The remaining two months of this period were unseasonably mild.

The warm winter certainly influenced the avian community present in Illinois. Many late fall migrants lingered well into the early winter and most typical wintering species were around, but often in reduced numbers. Furthermore, early spring migrants began returning to Illinois sooner than usual. Additionally, several uncommon or accidental species were identified. As a result, observers throughout the state were able to detect a very impressive 177 species during the 1998-99 winter. This represents one of the highest species totals encountered during a winter season in Illinois.

Included among this community are 12 extraordinary species that require review by the Illinois Ornithological Records Committee (IORC): Yellow-billed Loon, Brant, Barrow's Goldeneye, Prairie Falcon, Purple Sandpiper, California Gull, Eurasian Collared-Dove, Barn Owl, Rufous Hummingbird, Townsend's Solitaire, Bohemian Waxwing, and Brewer's Sparrow. In addition to these outstanding species, many other excellent birds were observed in Illinois during the 1998/1999 winter field season. Some of the more interestingdiscoveries were Red-throated Loon, Red-necked and Western Grebes, Harlequin Duck, Surf, White-winged, and Black Scoters, Lesser Yellowlegs, Least Sandpiper, Franklin's Gull, Black-legged Kittiwake, Snowy Owl, Barn Swallow, Marsh Wren, Gray Catbird, American Pipit, Pine Warbler, Common Yellowthroat, Yellow-breasted Chat, Spotted Towhee, Harris's Sparrow, and Dickcissel.

Examination of the overall avifaunal community produced some interesting results among the various groups and families. The waterbirds were represented by 3 species of loons and 5 species of grebes. This included the Yellow-billed Loon in McLean County, along with a couple of Red-throateds and several Commons throughout the state. Impressive numbers of Pied-billed and Horned Grebes were scattered across Illinois, as were a few Red-necked and Eared Grebes and a single Western Grebe. Notably large numbers of American White Pelicans and Double-crested Cormorants lingered well into December in southern and central locations. Overall, Great Blue Herons remained throughout the state in fairly decent numbers. The waterfowl were represented by 5 species of geese, 3 swans, 9 "puddle duck" species, and 17 "divers." Large concentrations of Canada and Snow Geese were found in their typical central and southern wintering areas. However, increasing numbers of Canadas and Greater White-fronteds continue to be observed in the north. Impressive numbers of Mute and Tundra Swans were located in northern Illinois this past winter, while smaller groups of reintroduced Trumpeter

Swans occurred mainly in the central and southern areas of the state. Among the ducks, larger numbers of "puddlers" remained further north, while "diver" numbers seemed to be slightly lower, particularly in the north among species like the Common Goldeneye and the Common Merganser.

A good diversity (14 species) of diurnal raptors was encountered within the state. Overall, the relative abundance for most of these species was typical. Fewer than expected American Kestrels were reported and Northern Goshawks were very scarce in Illinois. Despite the mild winter Bald Eagles appeared to be fairly abundant, as demonstrated by the remarkable total of 1,049 tallied over two days (15-16 January) in northwest Illinois. An especially impressive 53 Northern Harriers was reported at Prairie Ridge State Natural Area. Several observations of both dark and light morph Red-tailed and Rough-legged Hawks were made throughout the season. Four upland gamebird species were identified. The distribution of these birds was very spotty and undoubtedly related to the availability of quality habitat. Speculation on the decline of Gray Partridge statewide was supported by the fact that this species was not reported. Sandhill Cranes continue to occur in increasing numbers during the early and late winter periods, especially in northeastern Illinois along Lake Michigan.

During the 1998-99 winter, 6 species of shorebirds were identified. Killdeer occurred throughout the state and in fairly abundant numbers, while more Common Snipe than usual remained in the northern section. Groups of early returning American Woodcock began arriving in the south in early February. However, it was the reports of very late migrant Least Sandpipers and an early migrant Lesser Yellowlegs which highlighted the shorebirds, especially the 52 Leasts observed at Rend Lake on 19 Dec. A good diversity of wintering gulls (11 species) was reported including several of the "typical" unusual species. The distribution and abundance of species like the Bonaparte's, Thayer's, Iceland, Glaucous, Lesser and Great Black-backed Gulls was fairly normal. However, overall numbers of the two dominant species (Ring-billed and Herring Gulls) seemed to be lower. Additionally, a larger number of Ring-billeds remained further north this winter.

Three species of doves, 8 owls, the 7 expected woodpecker species, and both shrikes were all recorded this winter in the state. Mourning and Rock Dove numbers appeared low as did the overall numbers for the 3 common owls (Eastern Screech, Great Horned, and Barred). However, I suspect that this was largely due to the fact that these species are often overlooked and therefore under-reported. The number of Long-eared and Short-eared Owls was somewhat normal (fairly scarce except for the noteworthy 26 Short-eareds at Prairie Ridge State Natural Area), while Barn Owls remained extremely rare. This was a poor year for invading northern owls with only one Snowy and four Northern Saw-whet Owls observed. Woodpecker numbers appeared fairly normal. I suspect that the common species (Red-bellied, Downy, and Hairy) were all under-reported, while the distribution of Red-headeds, Northern Flickers, and Pileateds seemed to be governed by the availability of habitat and/or food resources. Yellow-bellied Sapsuckers appeared to be slightly more abundant this winter. Both shrikes were present in typically low numbers, with Loggerheads occurring in the south and Northerns in the north.

Overall, it seems that the majority of the permanent residents (corvids, Tufted Titmouse, chickadees, nuthatches, Northern Cardinal, European Starling, and House Sparrow) were all greatly under-reported across the state. This was a poor winter for Red-breasted Nuthatches. A total of 3 wren species, 4 thrushes, 3 mimids, and 4 species of warblers were identified. An extremely large number of late migrant and wintering American Robins were observed throughout the state, along with relatively good numbers of Carolina and Winter Wrens, Hermit Thrushes, and even a few Marsh Wrens. In contrast, fewer Eastern Bluebirds were encountered. A small number of Northern Mockingbirds, Brown Thrashers, and Gray Catbirds were scattered across Illinois. In addition to the 3 more unusual warbler species, the Yellow-rumped occurred in fairly decent numbers throughout the state. A good diversity of sparrows was also observed (13 species). Many of the sparrows appeared to occur in normal or slightly lower numbers than usual (American Tree, Field, Song, Swamp, White-throated, and White-crowned Sparrows). By comparison, species such as the Savannah, Le Conte's, and Fox Sparrows occurred in relatively larger numbers. Decent populations of Dark-eyed Juncos were encountered, however this species was undoubtedly under-reported. Despite the lack of snow cover during much of the season, Lapland Longspurs and Snow Buntings were found in fairly good numbers. Seven species each of blackbirds and finches were identified during the course of the 1998/1999 winter. Substantial populations of Red-winged and Rusty Blackbirds, Common Grackles, and Brown-headed Cowbirds wintered at scattered sites throughout the state. Large numbers of the various blackbirds began returning to Illinois in early February. Once again, this past winter season failed to produce an invasion of winter finches. Most of the species were present only in very low numbers, and Evening Grosbeak was not reported at all. The Eurasian Tree Sparrow continues to increase in number and the distribution is expanding, especially to the north along the Illinois and Mississippi Rivers.

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The following abbreviations have been used throughout this report. The second (1996) edition of the DeLorme Illinois Atlas & Gazetteer has been followed for normalization of site names.

When information on counts greater than one, sexes, and/or ages of observed birds is available, it is included at the head of each entry. This information is followed by the location of observation, date of observation, and the observer(s) who made the report. Headings for species requiring review by the IORC are CAPITALIZED and UNDERLINED; those for species of extremely unusual occurrence in winter are underlined. Noteworthy dates of occurrence and remarkably high counts for the state as a whole, or for particular regions of the state, are underlined and boldfaced. Records pending review by the IORC are at the end of the accounts.

* = documented record
** = specimen record
ph. = photographed
m.ob. = many observers
MC = Maximum Count(s)
CBC = Christmas Bird Count
1st/2nd/3rd yr. = first/second/third winter plumage
imm. = immature
ad. = adult
CA = Conservation Area
Co(s) = County (Counties)
FP = Forest Preserve
FWA = Fish and Wildlife Area
L = Lake
L&D = Lock and Dam
NWR = National Wildlife Refuge
R = River
SP = State Park

Andalusia CBC = Andalusia CBC (Rock Island/Mercer Cos)
Bloom. = Bloomington (McLean Co)
Carl.L = Carlyle Lake (Clinton/Fayette Cos)
CBG = Chicago Botanic Garden, Glencoe (Cook Co)
Chi = Chicago lakefront and vicinity (Cook Co)
Clin.L = Clinton Lake (DeWitt Co)
Clinton (IA) CBC = Clinton CBC (Whiteside/Carroll Cos; count center at Elk River Junction, Iowa)
CypCrk = Cypress Creek NWR and vicinity (Pulaski Co)
Evanston = Evanston (Cook Co)
Evergreen L = Evergreen L (McLean/Woodford Cos)
Fermi. = Fermilab National Accelerator Laboratory, Batavia (Du Page Co)
GrantP = Chicago's Grant Park (Cook Co)
Heyworth = Heyworth and vicinity (McLean Co)
HL = Horseshoe Lake (Madison Co)
HLCA = Horseshoe Lake CA (Alexander Co)
IBSP = Illinois Beach SP (Lake Co)
IL = Illinois
JP = Chicago's Jackson Park (Cook Co)
La Salle L = La Salle L (La Salle Co)
LCal = L Calumet and vicinity (Cook Co)
LChau = Lake Chautauqua NWR (Mason Co)
LSNucPlnt = La Salle Co Nuclear Plant (La Salle Co)
MArb = Morton Arboretum (Du Page Co)
Mermet L = Mermet L CA (Massac Co)
MidewinPr = Midewin National Tallgrass Prairie (Will Co)
Miss. R = Mississippi R
Montrose = Montrose Harbor and vicinity, Chicago (Cook Co)
MPrice L&D = Mel Price L&D (Madison Co)
Newton L = Newton Lake (Jasper Co)
O'Fallon = O'Fallon (St.Clair Co)
Pecatonica = Pecatonica (Winnebago Co)
Pekin = Pekin, including Peoria L&D (Tazewell Co)
PMarq. CBC = Pere Marquette SP CBC (Jersey/Calhoun Cos)
Powerton L = Powerton L FWA (Tazewell Co)
Pr.Rdg = Prairie Ridge State Natural Area (Jasper Co)
Princeton-Camanche CBC = Princeton-Camanche CBC (Rock Island/Whiteside Cos; count center at Folletts, Iowa)
QC CBC = Quad Cities CBC (Rock Island Co)
Rend L = Rend Lake (Franklin/Jefferson Cos)
Riverlands = Riverlands Environmental Demonstration Area (St.Clair Co)
Rockford = Rockford (Winnebago Co)
Sang.L = Sangchris Lake SP (Sangamon Co)
Shab.L = Shabbona L SP (De Kalb Co)
Spfld = Springfield (Sangamon Co)
SRock SP = Starved Rock SP (La Salle Co)
Urbana = Urbana (Champaign Co)
Wauk = Waukegan (Lake Co)
Wilmette = Wilmette (Cook Co)

WINTER 1998-99 FIELD NOTES

Red-throated Loon

L&D #18 (Henderson Co), 19 Dec (AR, PR); La Salle L, 20 Dec (CMc, *JMc, JH).

Common Loon

MC: **19**, Rend L, 5 Dec (FB)—record winter season high count. Others: 2, Carl.L, 13 Dec (KM); 4, HL, 13 Dec (FH); 2, HL, 23 Dec (JPZ, FH); Chi, 25 Dec (AFS); Forest Park (Lake Co), 26 Dec (DJ); Woodford Co, 26 Dec (RF, KF); Rend L, 1 & 23 Jan (FB, LS).

YELLOW-BILLED LOON

Evergreen L, 19-29 Dec (*RC, *RLH, *MR, DO-ph., m.ob.)—**2nd IL record**. See article in this issue.

Pied-billed Grebe

MC: **99**, Newton L, 21 Dec (JW, SS); 42, Rend L, 1 Jan (LS); 30, HL, 6 Dec (FH); 17, Spfld, 27 Jan (KM); 16, Peoria (Peoria Co), 5 Dec (C&JMc). Others: 3, PMarq. CBC, 19 Dec (BT); MArb, 21 Dec (RF, KF); Lake Forest (Lake Co), 23 Dec (DJ); 3, Wilmette, 21-26 Dec (EW, JE, m.ob.); Dixon (Lee Co), 19 Jan (DTW); 2, Braidwood (Will Co), 27 Jan (DFS). Near-record totals for the season.

Double-crested Cormorant at Wilmette's Gillson Park, Cook County, 26 December 1998. Photo by Eric Walters.

Horned Grebe

MC: **100+**, Carl.L, 13 Dec (DK, JPZ)—record winter season high count; 11, HL, 13 Dec (KM); 10, Powerton L (Peoria Co), 5 Dec (C&JMc). Others: L&D #14 (Rock Island Co), 20 Dec (KJM); 4, Evanston, 25 Dec (DBr); JP, 27 Dec (PC); 1-3, Mermet L, 12 Jan-22 Feb (FB); Powerton L, 16 Jan (JGR); Rockford, 17-18 Jan (DTW).

Eared Grebe

MC: 2, HL, 13 Dec (WCR). Others: LSpfld (Sangamon Co), 20 Dec (DB, DO); CypCrk, 21 Dec (MR, JE); Mermet L, 12 Jan (*FB).

Red-necked Grebe

1st yr., Evergreen L, 25 Dec (MR, AR); ad., Sang.L, 24 Jan (MR, DTW); ad., Mermet L, 16 Jan-13 Feb (*RSM, *FB, m.ob.).

Western Grebe

L&D #18 (Henderson Co), 19 Dec (AR, PR).

American White Pelican

MC: **501**, PMarq. CBC, 19 Dec (BT, WCR); **255**, LChau, 17 Dec (RBj); 40, HL, 28 Feb (FH). **Unprecedented numbers for season.**

Double-crested Cormorant

MC: **1,000**, Rend L, 19 Dec (KM, RH)—record winter season high count; 100, PMarq. CBC, 19 Dec (BT, WCR). Others: 4, HL, all winter (FH, KM); Wilmette, 26 Dec (EW see photo, JE); 3, Little Calumet R at Chi-Riverdale (Cook Co), 26 Dec (WM, MB); Powerton L, 16 Jan (JGR); 2, LChau, 21 Jan (RBj); 2, Calumet R (Cook Co), 24 Jan (AFS); Braidwood (Will Co), 27 Jan (DFS); 3, La Salle L, 31 Jan-7 Feb (C&JMc).

Great Blue Heron

MC: **105**, PMarq. CBC, 19 Dec (BT); 65, LChau, 24 Dec (RBj); 42, HL, 10 Jan (KM); 25, Havana (Mason Co), 9 Jan (RC, m.ob.); 19, Muscatine CBC (Rock Island Co), 27 Dec (GW); 11, Winnebago Co, 19 Dec (DTW). Others (north): 7, MArb, 20 Dec (EW, m.ob.); 3, Greene Valley FP (Du Page Co), 20 Dec (WM); 3, Whistler Woods FP (Cook Co), 26 Dec (WM); Des Plaines R (Lake Co), 1 Jan (SH); 3, IL R (Bureau Co), 1 Jan (C&JMc); 4, Will Co, 10 Jan (RF, KF); SRock SP, 10 Jan (C&JMc); 4, Henderson Co, 13 Jan (AR); 4, Woodford Co CA, 18 Jan (JGR); Pecatonica, 29 Jan (DTW).

Great Egret

MC: **17**, Eagle Park (Madison Co), 13 Dec (JPZ, WCR)—record winter season high count. Others: LChau, 3 Dec (RBj); 3, St. Clair Co, 8 Dec (KM); Aurora (**Kane Co**), 16 Dec (*JDu).

Black-crowned Night-Heron

MC: 18, HL, 13 Dec (FH, JPZ); 5, HL, 30 Jan (FB); 3 (2 ad., 1 imm.), JP, 8 Dec (KC). Others: Du Page Co, 1 Dec (RF, KF); Clin.L, 18 Dec (MR, JGR); O'Brien L&D (LCal), 26 Dec (WM); ad., JP, 27 Dec (PC, m.ob.).

Black Vulture

MC: 15, Massac Co, 7 Feb (FB). Others: 6, Massac Co, 13 Dec (FB); 4-6, Massac Co, 1-29 Jan (FB); Murphysboro (Jackson Co), 19 Feb (RSM); 4, CypCrk, 22 Feb (FB).

Turkey Vulture

MC: 17, Clinton Co, 13 Dec (KM); 17, Bond Co, 10 Feb (KM). Others: Rend L, 18 Dec (LS); Milan Bottoms (**Rock Island Co**), **23 Dec** (*KB); Urbana, 7 Jan (BV).

Greater White-fronted Goose

MC: 500, Clin.L, 14 Feb (RC); 427, CypCrk, 22 Feb (FB); 316, La Salle L, 13 Feb (C&JMc); 140-160, Pecatonica, 25-27 Feb (DTW); 100, Miss. R (Madison Co), 2 Feb (FH); 75, LSNucPlnt, 6 Feb (VK, DB, MD); 67, LChau, 18 Feb (RBj); 65, Clinton Co, 7 Feb (KM). Others: 11, Massac Co, 13 Dec (FB); 25, Evergreen L, 24 Dec (JGR); 8, Fermi., 1 Jan (RF, KF); 31, Rend L, 1 Jan (LS); 45, La Salle L, 31 Jan (C&JMc); 33, Heyworth, 6 Feb (TB); 2, Wildwood (Lake Co), 9 Feb (SH); 20, Woodford Co CA, 15 Feb (JGR); 50, Shab.L, 21 Feb (MAM); 50, Riverlands, 28 Feb (WCR).

Snow Goose

MC: **88,500**, so. IL Goose Inventory (aerial survey), 20 Jan (MH); **20,000**, Carl.L, 28 Dec (KM, DW); **15,000**, Fayette Co, 10 Feb (KM); 5,000+, Franklin Co, 30 Jan (LS); 5,000, Massac Co, 1 Jan (FB); 4,077 (1,027 white, 3,050 blue morph), PMarq. CBC, 19 Dec (BT); 537, ne. IL aerial survey, 7 Dec (MH); 480 (192 white, 288 blue morph), LChau, 10 Dec (RBj); 400, Riverlands, 28 Feb (WCR). Others: 15, Vermilion Co, 8 Dec (JOS); Chi, 27 Dec (JL); 20, Fermi., 1 Jan (RF, KF); 7, La Salle L, 31 Jan, (C&JMc); 60, Miss. R (Madison Co), 2 Feb (FH); 150, Champaign Co, 3 Feb (JOS); Chi, 6 Feb (JL); 30, L&D #13 (Whiteside Co), 10 Feb (KJM); 27, La Salle L, 13 Feb (C&JMc).

Ross's Goose

MC: 8, Riverlands, 28 Feb (WCR); 7, PMarq. CBC, 19 Dec (BT). Others: El Paso (Woodford Co), 8 Dec (MR); 3-4, Pecatonica, 1-19 Dec (DTW); La Salle L, 20 Dec (*JMc, CMc, JH); 2, Newton L, 20 Dec (JW, JTH); ad., HLCA, 29 Dec (SB); 2, Massac Co, 1 Jan (FB); 5, Baldwin L (St. Clair/Randolph Cos), 30 Jan (KM); 2 imm., Miss. R (Madison Co), 2 Feb (FH); 2, La Salle L, 13 Feb (C&JMc).

Canada Goose

MC: **401,700**, so. IL Goose Inventory (aerial survey), 20 Jan (MH); **23,704**, Lake Co, 3 Jan (RB)—apparently a record winter season high count for no. IL; 5,486, IBSP, 1 Jan (DJ); 4,000, Fermi., 1 Jan (RF, KF); 3,785, ne. IL aerial survey, 7 Dec (MH); 3,000+, Lake Co, 3 Feb (RB); 3,000, Sang.L, 27 Jan (KM). Others: 1,593, Lake Co, 21 Dec (RB); 1,528, JP, 25 Dec (PC); 2,611, Lake Co, 4 Jan (RB); 700, HL, 2 Feb (FH); 600, Lake Co, 15 Feb (DJ). "**Richardson's Goose**": MC: 13, JP, 25 Dec (PC).

BRANT
HLCA, 29 Dec (*SB).

Mute Swan
MC: **193**, William W. Powers CA, Wolf L (LCal), 27 Jan (DFS); 31, Long Grove (Lake Co), 31 Jan (CF). Others: 3 ad., Wilmette, 26 Dec (EW); 5, Woodford Co, 26 Dec (RF, KF); 7, Carl.L, 26 Dec (JPZ, DK); Heyworth, 31 Dec (TB); 4, JP, 24 Jan (KC); 19, Channahon (Will Co), 30 Jan (DFS); 2 ad., Spring Lake CA (Tazewell Co), 30 Jan (MR, MD); 6-7, Mermet L, 15 Jan-7 Feb (FB); 2, LChau, 11-25 Feb (RBj).

Tundra Swan
MC: **126**, Thomson Causeway (Carroll Co), 26 Dec (*KJM); 35, LChau, 3-26 Dec (RBj). Others: 3, Lake Co, 1 Dec (RB); 2, L Renwick (Will Co), 16 Dec (DFS); 6, Rend L, 30 Dec (LS); 3, L&D #13 (Whiteside Co), 1 Jan (MAM); 6, Hampton (Rock Island Co), 2 Jan (KJM); imm., Jackson Co, 3 Jan (*RSM); Zion (Lake Co), 4 Jan (DJ); 3 (1 ad., 2 imm.), Miss. R (Madison Co), 1 Feb (FH); 2 ad., CypCrk, 21-28 Feb (*FB); 4, Madison Co, 28 Feb (FH).

Wood Duck
MC: 40, LChau, 17 Dec (RBj). Others: Evanston, all winter (EW); Normal (McLean Co), 8 Dec (MR); 8, Newton L, 21 Dec (JTH); Grandwood (Lake Co), 1 Jan (DJ); 2, MPrice L&D, 14 Jan (FH).

Gadwall
MC: 2,020, so. Miss. R reservoirs (aerial survey), 19 Feb (MH); 1,600, lower Miss. R valley aerial survey, 22 Feb (MH); 890, lower IL R valley aerial survey, 22 Feb (MH); 752, LChau, 3 Dec (RBj); 740, PMarq. CBC, 19 Dec (BT); 404, Union Co, 30 Dec (KM, TD); 390, LCal, 8 Dec (DFS); 150, ne. IL aerial survey, 7 Dec (MH). Widespread even in no. counties into January.

American Wigeon
MC: 9,625, so. Miss. R reservoirs (aerial survey), 19 Feb (MH); 1,350, lower IL R valley aerial survey, 22 Feb (MH); 500, lower Miss. R valley aerial survey, 22 Feb (MH). Others: 44, LCal, 8 Dec (DFS); 74, LChau, 10 Dec (RBj); 12, McKee Marsh (Du Page Co), 19 Dec (RF, KF); 32, Rend L, 19 Dec (KM); 11, Winnebago Co, 30 Dec (DTW); Henderson Co, 13 Jan (AR); Du Page Co, 23 Jan (RF, KF).

American Black Duck
MC: 4,450, so. Miss. R reservoirs (aerial survey), 19 Feb (MH); 1,780, lower IL R valley aerial survey, 22 Feb (MH); 1,375, ne. IL aerial survey, 7 Dec (MH); 684, LChau, 10 Dec (RBj); 545, lower Miss. R valley aerial survey, 22 Feb (MH); 100, La Salle L, 26 Dec (C&JMc). Others: 18, Will Co, 16 Dec (DFS); 42, Rend L, 19 Dec (KM); Wauk, 15 Jan (DJ); 2, Woodford Co CA, 18 Jan (JGR).

Mallard
MC: 104,535, lower IL R valley aerial survey, 22 Feb (MH); 86,960, so. Miss. R reservoirs (aerial survey), 19 Feb (MH); 76,530, lower Miss. R valley aerial survey, 22 Feb (MH); **67,134**, LChau, 17 Dec (RBj); 37,364, ne. IL aerial survey, 7 Dec (MH); **32,250**, La Salle L, 20 Dec (C&JMc); **30,000**, Carl.L, 28 Dec (KM); **22,564**, Clinton (Iowa) CBC, 26 Dec (BB, m.ob.); **13,816**, Western Mercer Co CBC, 22 Dec (BO, m.ob.); 6,252, PMarq. CBC, 19 Dec (BT).

Blue-winged Teal
male, Thomson Causeway (Carroll Co), 9 Dec (PV); HL, 9 Dec (FH).

Northern Shoveler
MC: 3,520, so. Miss. R reservoirs (aerial survey), 19 Feb (MH); 1,700, lower Miss. R valley aerial survey, 22 Feb (MH); **930**, LChau, 17 Dec (RBj). Others: 20, LCal, 12 Dec (WM); 300, O'Fallon, 30 Dec (KM); 26, HL, 10 Jan (KM). Numerous other reports statewide.

Northern Pintail
MC: 30,555, lower IL R valley aerial survey, 22 Feb (MH); 21,380, so. Miss. R reservoirs (aerial survey), 19 Feb (MH); 17,200, lower Miss. R valley aerial survey, 22 Feb (MH). Others: 411, LChau, 10 Dec (RBj); 313, PMarq. CBC, 19 Dec (BT); 100, Clinton Co, 30 Jan (KM); 300, Franklin Co, 15 Feb (LS); 20, Woodford Co CA, 18 Feb (JGR).

Green-winged Teal
MC: 16,550, so. Miss. R reservoirs (aerial survey), 19 Feb (MH); 5,956, LChau, 10 Dec (RBj); 5,370, lower IL R valley aerial survey, 22 Feb (MH); 1,050, lower Miss. R valley aerial survey, 22 Feb (MH). Others: 56, LCal, 8 Dec (DFS); 30, Lake Co, 17 Dec (RB); 275, Rend L, 19 Dec (KM, RH); 52, Bolingbrook (Will Co), 20 Dec (WM); 26, MArb, 25 Dec (EW); 8, La Salle L, 26 Dec (C&JMc); 10, Hidden L FP (Du Page Co), 1 Jan (DFS); Henderson Co, 13 Jan (AR); Lake Co, 30 Jan (SH); Powerton L, 9 Feb (JGR); 8, Woodford Co CA, 18 Feb (JGR).

Canvasback
MC: **14,300**, lower IL R valley aerial survey, 22 Feb (MH); 1,000+, Riverlands, 15 Jan (WCR); 900, so. Miss. R reservoirs (aerial survey), 19 Feb (MH); 900, lower Miss. R valley aerial survey, 22 Feb (MH); 321, Clinton (Iowa) CBC, 26 Dec (KJM); 307, LChau, 25 Feb (RBj). Others: 5, Chi (Calumet Park), 27 Jan (DFS); 100, Spfld, 27 Jan (KM); 120, Clin.L, 6 Feb (RC); 250, Clinton Co, 7 Feb (KM); 12, Lake Co, 12 Feb (RB); 12, La Salle L, 13 Feb (C&JMc); 47, Woodford Co CA, 18 Feb (JGR).

Redhead
MC: 33, Heyworth, 26 Feb (MR); 30, ne. IL aerial survey, 7 Dec (MH); 25, Woodford Co CA, 18 Feb (JGR); 20, Evanston, 26 Dec (EW, m.ob.). Others: 14, LChau, 3 Dec (RBj); 2, Rend L, 19 Dec (KM); 11, L&D #13 (Whiteside Co), 26 Dec (KJM); 4, La Salle L, 26 Dec (C&JMc); 2, JP, 1 Jan (PC); 2, Will Co, 10 Jan (RF, KF); Wolf L (LCal), 15 Jan (DFS); 2, Woodford Co CA, 18 Jan (JGR); 12, Wauk, 24 Jan (DJ); 4, Montrose, 4 Feb (DJ).

Ring-necked Duck
MC: 13,650, lower IL R valley aerial survey, 22 Feb (MH); 10,040, so. Miss. R reservoirs (aerial survey), 19 Feb (MH); 5,515, lower Miss. R valley aerial survey, 22 Feb (MH); 930 PMarq. CBC, 19 Dec (BT); 475, Rend L, 19 Dec (KM, DW); 247, LChau, 25 Feb (RBj); 125, Sand Ridge State Forest (Mason Co), 14 Jan (RBj). Others: 30, McKee Marsh (Du Page Co), 19 Dec (RF, KF); 2, Dolton (Cook Co), 26 Dec (WM); 3, La Salle L, 26 Dec (C&JMc); 6, Woodford Co, 26 Dec (RF, KF); 4, JP, 29 Dec (PC); 17, Cherry Valley (Winnebago Co), 2-3 Jan (DTW); 2, Little Calumet R (Cook Co), 27 Jan (DFS).

Greater Scaup
MC: 583, Evanston, 26 Dec (EW, JE, m.ob.); 480, JP, 17 Feb (PC, KC); 200, Montrose, 13 Dec (RF, KF); 100, JP, all winter (PC). Others: 3, Clin.L, 19 Dec (MR, JGR); 1-2, Miss. R (Madison Co), 25 & 30 Jan (FB, FH); 6, Riverlands, 1-31 Jan (WCR); 3, Mermet L, 13 Feb (*FB); 3, Shab.L, 15 Feb (DJS); 10, Woodford Co CA, 18 Feb (JGR).

Lesser Scaup
MC: 3,520, so. Miss. R reservoirs (aerial survey), 19 Feb (MH); 3,020, lower Miss. R valley aerial survey, 22 Feb (MH); 2,900, lower IL R valley aerial survey, 22 Feb (MH); 1,400, Clinton Co, 7 Feb (KM); 1,061, LChau, 25 Feb (RBj); 1,000, Woodford Co CA, 18 Feb (JGR); 800, JP, 12 Feb (PC). Others: Wilmette, 26 Dec (JE, EW, m.ob.); 10, Will Co, 10 Jan (RF, KF); 20, La Salle L, 31 Jan (C&JMc); 30, LCal, 13 Feb (RF, KF); 6, Heyworth, 13 Feb (ES, AS); 35, Shab.L, 15 Feb (DJS); 60, Lake Co, 17 Feb (DJ).

Harlequin Duck
female plumage, JP, 19-31 Dec (*PC, KC, DFS); adult male, JP, 27 Dec (PC); female, Alton (**Madison Co**), 30 Jan-6 Feb (*KM, FH, JR-ph., m.ob.).

Surf Scoter

Miss. R (Hancock Co), 21 Dec (JF); New Boston (Mercer Co), 22 Dec (*KJM); Crab Orchard NWR (Williamson Co), 3 Jan (*RSM); HL, 1 & 7 Feb (KM, FH).

White-winged Scoter

MC: 6, Sang.L, 24 Jan (MR). Others: **dead, JP, 12 Dec (GD)-specimen to Chicago's Field Museum; L&D #18 (Henderson Co), 23 Dec (CFu); Chi, 26 Dec (JL); Clinton (Iowa) CBC, 26 Dec (*BB, CB); Carl.L, 26 Dec (JPZ, DK); HL, 26 Dec (DSB); Clear L (Mason Co), 11 Feb (*RBj).

Black Scoter

Miss. R (Hancock Co), 21 Dec (JF); L&D #18 (Henderson Co), 22 Dec (JF).

Oldsquaw

MC: 12, GrantP, 6 Jan (DFS); 6, Newton L, 20 Dec (JW, JTH). Others: Miss. R (Hancock Co), 21 Dec (JF); Chi, 26 Jan (RF, KF); Spfld, 27 Jan (KM).

Bufflehead

MC: 525, ne. IL aerial survey, 7 Dec (MH); **220**, Newton L, 21 Dec (JW, SS); 100, lower IL R valley aerial survey, 22 Feb (MH); 60, Zion (Lake Co), 8 Feb (DJ). Others: 36, LChau, 17 Dec (RBj); 27, Rend L, 19 Dec (KM, RH); 24, Wauk, 4 Jan (DJ); 2, Will Co, 10 Jan (RF, KF); Miss. R (Madison Co), 25 Jan (FH); 6, Cook Co, 27 Jan (RF, KF); 3, Illini SP (La Salle Co), 31 Jan (C&JMc).

Common Goldeneye

MC: 4,000, La Salle L, 26 Dec (C&JMc); 3,290, lower IL R valley aerial survey, 22 Feb (MH); 1,200, Rend L, 26 Jan (KM); 1,000+, Riverlands, 15 Jan (WCR); 357, Lake Forest (Lake Co), 26 Dec (DJ); 350, GrantP, 25 Jan (DFS). Others: 120, JP, all winter (PC); 46, LChau, 28 Jan (RBj); 140, Zion (Lake Co), 8 Feb (DJ).

BARROW'S GOLDENEYE

male, MPrice L&D, 24-26 Jan (FH, *WCR, m.ob.). See also records pending IORC review.

Hooded Merganser

MC: 200, so. Miss. R reservoirs (aerial survey), 19 Feb (MH); **179**, Newton L, 21 Dec (JW, SS); 120, Spfld, 26 Dec (KM, SF); 88, PMarq. CBC, 19 Dec (BT); 40, HL, 10 Jan (KM); 36, LCal, 8 Dec (DFS). Others (post-Dec): 2, Evanston, 7 Jan (EW, see photo); Salt Fork R (Vermilion Co), 7 Jan (JOS); 4, Will Co, 10 Jan (RF, KF); 5, Heidecke L (Grundy Co), 27 Jan (DFS); 9, LChau, 28 Jan (RBj); 4, La Salle L, 31 Jan (C&JMc); 5, Wauk, 11 Feb (DJ); 15, Woodford Co CA, 18 Feb (JGR).

Hooded Merganser at Evanston's Northwestern University lagoon, Cook County. 7 January 1999. Photo by Eric Walters.

Common Merganser

MC: 20,630, lower IL R valley aerial survey, 22 Feb (MH); **12,100**, Powerton L, 16 Jan (MR, JGR); 5,000, La Salle L, 26 Dec (C&JMc); 2,987, LChau, 28 Jan (RBj); 1,200, GrantP, 25 Jan (DFS); 1,100, Clear L (Mason Co), 28 Jan (RBj); 870, so. Miss. R reservoirs (aerial survey), 19 Feb (MH); 500, HL, 27 Jan (KM); 495, SRock SP, 30 Jan (DFS); 495, lower Miss. R valley aerial survey, 22 Feb (MH).

Red-breasted Merganser

MC: 2,000, GrantP, 25 Jan (DFS); 241, Rend L, 28 Feb (LS); 135, Carl.L, 13 Dec (KM); 100, JP, all winter (PC). Others: 6, Clear L (Mason Co), 10 Dec (RBj); L&D #14 (Rock Island Co), 20 Dec (KJM); 4, La Salle L, 20 Dec (C&JMc); 40, Lake Forest (Lake Co), 26 Dec (DJ); 11, Carl.L, 7 Feb (KM).

Ruddy Duck

MC: **1,539**, LChau, 10 Dec (RBj); **1,080**, LChau, 25 Feb (RBj); **802**, PMarq. CBC, 19 Dec (BT); **517**, Newton L, 21 Dec (JW, SS)—**all record winter season high counts**; 440, lower IL R valley aerial survey, 22 Feb (MH); 175, O'Fallon, 13 Dec (KM). Others: 104, Evergreen L, 8 Dec (MR); 33, L&D #13 (Whiteside Co), 26 Dec (KJM); 4, Will Co, 10 Jan (RF, KF); Zion (Lake Co), 4 & 24 Jan (DJ); La Salle L, 13 Feb (C&JMc); 2, Wauk, 17 Feb (DJ); 53, Woodford Co CA, 18 Feb (JGR).

OSPREY

1 at Max McGraw Wildlife Foundation, Kane Co, 1-3 Dec (RM, see photo).

Osprey at Max McGraw Wildlife Foundation, Kane County. 3 December 1998. The bird was seen 1-3 December 1998. Photo by Robert A. Montgomery.

Bald Eagle

MC: **1049** (686 ad., 360 imm., 3 others), L&D #13 to L&D #16 (Whiteside & Rock Island Cos), 15-16 Jan (KJM); **176** (115 ad., 61 imm.), LChau, 4 Feb (RBj); 123 (69 ad., 54 imm.), Muscatine CBC (Rock Island Co), 27 Dec (KJM, m.ob.); 121 (65 ad., 56 imm.), Clinton (Iowa) CBC, 26 Dec (BB, m.ob.); 112 (53 ad., 47 imm., 12 others), Western Mercer Co CBC, 22 Dec (KJM, m.ob.); 105, MPrice L&D, 10 Jan (FH); 103 (40 ad., 59 imm., 4 others), PMarq. CBC, 19 Dec (BT); 65, MPrice L&D, 4 Jan (FH); 42, IL R, Havana-Beardstown (Mason & Cass Cos), 9 Jan (RC, m.ob.). Others: Lake Forest (Lake Co), 23 Dec (DJ); 4 (3 ad., 1 imm.), Mermet L, 1 Jan (FB); 2 (ad., imm.), Lake Co, 3 & 7 Jan (RB); 32, SRock SP, 10 Jan (DJS); 28, Pekin, 10 Jan (RC); 15, IL R (La Salle Co), 16 Jan (C&JMc); Oswego (Kendall Co), 17 Jan (DJS); 18 (15 ad., 3 imm.), Alton (Madison Co), 18 Jan (KM); imm., Wolf L (LCal), 27 Jan (DFS); 2 (ad., imm.), Boone Co, 14-15 Feb (AB); ad., Newton L, 27 Feb (JW, m.ob.).

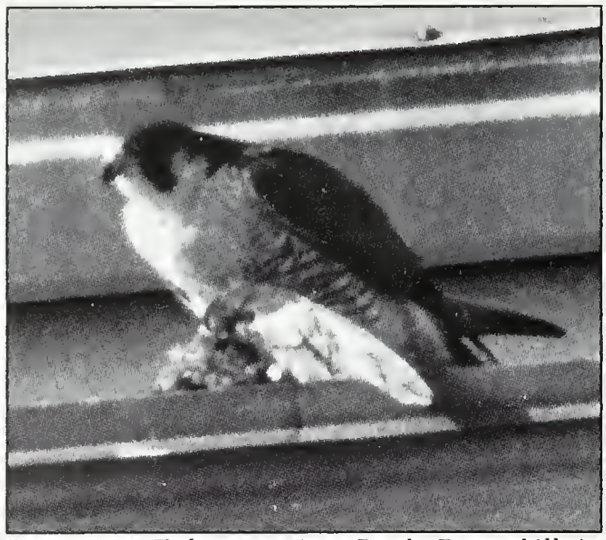
Northern Harrier

MC: **53**, Pr.Rdg, 22 Feb (JW); 12, Ewing (Franklin Co), 29 Jan (LS). Others: 5, HL, 10 Jan (KM); 5, Goose L Prairie SP (Grundy Co), 26 Jan (DJS); MidewinPr, 16 Dec-27 Jan (DFS); imm., La Salle L, 13 Feb (C&JMc). Many additional reports of ones and twos from no. half of IL throughout January.

Sharp-shinned Hawk

MC: 4, HLCA, 29 Dec (KM, TD); 3, Du Page Co, 1 Jan (RF, KF). Others: LChau, 3 Dec (RBj); MidewinPr, 4 Dec (DFS); imm., Bartel Grasslands (Cook Co), 13 Dec (WM, KW); 2, MArb, 20 Dec (EW);

Greene Valley FP (Du Page Co), 20 Dec (WM); New Columbia (Massac Co), 31 Dec (FB); HL, 1 Jan (FH); Glenview (Cook Co), 3 Jan (CF); imm., Lake Co, 7-9 Jan (RB); Kaneville (Kane Co), 10 Jan (DFS); Will Co, 10 Jan (RF, KF); Urbana, 18 Jan (RC); Vermilion Co, 4 Dec-4 Feb (JOS); LChau, 4 Feb (RBj); Cook Co, 6 Feb (CF); ad., Lake Co, 10 Feb (RB); Chi, 15 Feb (JL).



Peregrine Falcon eating Rock Dove kill in Evanston, Cook County. 7 January 1999. Photo by Eric Walters.

Cooper's Hawk

MC: 4, St. Clair Co, 13 Dec (WCR); 3, PMarq. CBC, 19 Dec (BT); 3, JP, all winter (PC). Others: Lake Co, all winter (RB); imm., Palatine (Cook Co), all winter (CF); LChau, 3 Dec (RBj); McKee Marsh (Du Page Co), 19 Dec (EW); 2, LCal, 26 Dec (WM); Du Page Co, 2 Jan (RF, KF); Vermilion Co, 7 Jan (JOS); Wauconda (Lake Co), 9 Jan (DJ); Mermet L, 12 Jan (FB); Urbana, 17 Jan (RC); imm., Will Co, 21 Jan (DFS); 2 pair?, MArb, 28 Feb (DFS).

Northern Goshawk

Gladstone L (Henderson Co), 13 Jan (AR); Bloom., 14 Dec (MF); L Bloom., 27-28 Feb (MR).

Red-shouldered Hawk

MC: 3, Mermet L, 13 Feb (FB); 2, Mermet L, 1 Jan (FB); 2, SRock SP, 23 Jan (C&JMc). Others: Rockton (Winnebago Co), 19 Dec (DTW); I&M Canal (La Salle Co), 27 Dec (DJS); Wilmette, 3 Jan (CF); ad., Rockford, 16 Jan (DTW); Johnson Co, 24 Jan (LS).

Red-tailed Hawk

MC: 70, PMarq. CBC, 19 Dec (BT); 50, Andalusia CBC, 23 Dec (KJM, m.ob.); 30, Western Mercer Co CBC, 22 Dec (KJM, m.ob.)22, Carl.L, 28 Dec (KM, DW); 24, Du Page Co, 13 Dec (DFS); 22, Jasper Co, 14 Feb (JW, JTH). Others: 3-5, La Salle Co, all winter (DJS); 4, Vermilion Co, all winter (JOS); 18, LCal, 26 Dec (WM); 6, Wauk CBC, 1 Jan (DJ); 5, LChau, 11 Feb (RBj); **dark morph**: Royalton (Franklin Co), 21 Feb (LS); **"Harlan's Hawk"**: CypCrk, 7 Dec, 21 Feb (FB); **"Krider's Hawk"**: Clin.L, 6 Dec (RC); HL, 1 Jan (FH); Logan (Franklin Co), 31 Jan (LS).

Rough-legged Hawk

MC: 5, Nachusa Grasslands (Lee Co), 19 Jan (DTW); 4 (light morph), Will Co, 21 Jan (DFS); 3, Goose L Prairie SP (Grundy Co), 26 Jan (DJS); 3 (light morph), Lake Co, 4 Jan (RB). Others: LChau, 17 Dec (RBj); 2, Bloom., 19 Dec (BW, GH, m.ob.); dark morph, Hamilton Reservoir (Cook Co), 21 Dec (CF); 2, La Salle Co, 27 Dec (DJS); 2 (1 dark, 1 light morph), MidewinPr, 29 Dec (DFS); Wauk, 4 Jan (DJ); dark morph, Lake Co, 3-8 Jan (RB); Livingston Co, 17 Jan (KM); Woodford Co, 23 Jan (JOS); 2, Iroquois Co CA, 26 Jan (DJS); Perry Co, 28 Jan (LS); Franklin Co, 28 Jan (LS); light morph, Lake Co, 29 Jan (RB); Clinton Co, 30 Jan (KM); 2 (dark morph), La Salle Co, 13 Feb (C&JMc); Urbana, 21 Feb (RC); CypCrk, 21 Feb (FB); light morph, Bureau Co, 27 Feb (DFS).

Golden Eagle

MC: 2 imm., Lake Co, 22 Dec (RB). Others: imm., Pecatonica, 1 Dec-1 Jan (DTW, BG); imm., Savanna Army Depot (Jo Daviess Co), 30 Dec & 1 Jan (MAM); ad., Le Roy (**McLean Co**), 10 Jan (RC); ad., IBSP, 17 Jan (AFS); ad., Mermet L, 31 Dec-13 Feb (*FB).

American Kestrel

MC: 25, Jasper Co, 14 Feb (JW, JTH); 22, PMarq. CBC, 19 Dec (BT); 20, Carl.L, 28 Dec (KM, DW); 16, LCal, 26 Dec (WM); 13, QC CBC, 20 Dec (KJM, m.ob.). Others: 11, La Salle Co, 30 Jan (DFS); LChau, 24 Dec & 4 Feb (RBj).

Merlin

Rend L, 5 Dec (FB); Spfld, 20 Dec (DB); Des Plaines R (Cook Co), 26 Dec (*DH); ad. male, Rockford, 2 Jan (*BG); Urbana, 18 Jan (RC); L Bloom., 29 Jan (MR); Chi, 10 Feb (JL); ad. male, Palatine (Cook Co), 11 Feb (CF).

Peregrine Falcon

MC: 4, Chi, 19 Feb (DFS); pair, JP, all winter (PC et al.); pair, Evanston, all winter (EW see photo, JE, m.ob.). Others: Clark Co, 19 Dec (*PN); Interstate 474 Bridge (Tazewell Co), 29 Jan (JGR); Crab Orchard NWR (Williamson Co), 27 Feb (RSM).

Ring-necked Pheasant

MC: 137, Afton FP (De Kalb Co), 14 Jan (DJS); 83, Pecatonica, 7 Jan (DTW); 23, Rend L, 26 Jan (KM); 15, Livingston Co, 17 Jan (KM). Others: 22, La Salle L, 26 Dec (C&JMc); Woodford Co, 26 Dec (RF, KF); 25, Goose L Prairie SP (Grundy Co), 27 Jan (DFS); 8, De Kalb Co, 30 Jan (RF, KF).

Greater Prairie-Chicken

120, Pr.Rdg, 18 Jan (JW).

Wild Turkey

MC: 81, Princeton-Camanche CBC, 21 Dec (KJM, RN); 78, Knox Co, 1 Jan (PR); 36, HL, 1 Jan (FH); 29, Franklin Co, 28 Jan (LS). Others: 19, Newton L, 14 Dec (JW, EK, JTH); 5, Grundy Co, 16 Dec (DFS); L Bloom., 19 Dec (MR, GH, m.ob.); 5, HLCA, 29 Dec (KM, TD); 22, Utica (La Salle Co), 16 Jan (C&JMc).

Northern Bobwhite

MC: 33, Pr.Rdg, 14 Feb (JW, JTH); 22, PMarq. CBC, 19 Dec (BT); 15, Princeton-Camanche CBC, 21 Dec (KJM); 12, Western Mercer Co CBC, 22 Dec (KB). Others: 17, HL, 10 Jan (KM); 8, Rend L, 26 Jan (KM).

American Coot

MC: **3,790**, so. Miss. R reservoirs (aerial survey), 19 Feb (MH); **3,120**, lower IL R valley aerial survey, 22 Feb (MH); **2,200**, Naperville (Will Co), 16 Dec (DFS); 2,100, lower Miss. R valley aerial survey, 22 Feb (MH); 1,600, ne. IL aerial survey, 7 Dec (MH). Others: 50, Wolf L (LCal), all winter (DFS); 360, JP, 10 Dec (KC); 115, HL, 13 Dec (KM); 148, McKee Marsh (Du Page Co), 19 Dec (RF, KF); 104, JP, 1 Jan (PC, KC); 14, Shab.L, 1 Jan (DJS); 10, Will Co, 10 Jan (RF, KF); 16, Wauk, 24 Jan (DJ); 350, Braidwood (Will Co), 27 Jan (DFS); 53, La Salle L, 31 Jan (C&JMc); 2, Clin.L, 14 Feb (RC); 10, Wauk, 17 Feb (DJ); 58, LChau, 18 Feb (RBj); 119, Bloom., 19 Feb (MR, m.ob.).

Sandhill Crane

MC: **182**, Hoffman Estates (Cook Co), 22 Dec (CF); **86**, Lake Co, 10 Dec (RB); **80**, JP, 11 Dec (fide RB); **75**, Palatine (Cook Co), 23 Dec (CF); 70, Fermi., 19 Dec (*JZ, *JP); 52, Lake Co, 16 Dec (RB). Others: 4, MidewinPr, 4 Dec (DFS); 38, Lake Co, 8 Dec (RB); 16, La Salle Co, 23 Dec (*EC); 2, JP, 25 Dec (*PC); 2, Woodford Co CA, 28 Dec (JGR); ad., Union Co, 24 Jan (*DMK, MM); 2 ad., Round Knob (Massac Co), 6 Feb (*FB); Sherman (Sangamon Co), 25 Feb (SHa). Record numbers for December.

Killdeer

MC: 76, Carl.L, 28 Dec (KM, DW); 42, LChau, 17 Dec (RBj); 28, HL, 9 Dec (FH); 11, Greene Valley FP (Du Page Co), 20 Dec (*WM, UG). Others: 5, Grundy Co, 16 Dec (DFS); 4, LCal, 26 Dec (WM, KW); Woodford Co, 26 Dec (RF, KF); 2, JP, 28 Dec (PC); Pekin, 10 Jan (RC); 6, Vermilion Co, 30 Jan (JOS); 3, IL R (Bureau Co), 6 Feb (C&JMc).

Lesser Yellowlegs
Porter Bottoms Road (Johnson Co), 11 Feb (*SO).

Least Sandpiper
MC: 52, Rend L, 19 Dec (*LS, DL)-record winter season high count; 8, Alexander Co, 29 Dec (*SB). Others: 2, HL, 16 Dec (FH); Carl.L, 28 Dec (*KM, DW); O'Fallon, 28 Dec (*KM, DW).

PURPLE SANDPIPER
Wauk, 28 Nov-1 Jan (*RB, *DD, m.ob.).

Common Snipe
MC: 26, Rend L, 7 Dec (FB); 13, Carl.L, 28 Dec (KM, DW); 10, MPrice L&D, 17 Jan (FH); 8, Rend L, 19 Dec (FB); 8, Princeton-Camanche CBC, 21 Dec (KJM). Others: MidewinPr, 16 Dec (DFS); McKee Marsh (Du Page Co), 19 Dec (RF, KF); 5, LChau, 24 Dec (RBj); 2, Depue (Bureau Co), 1 Jan (C&JMc); 4, Henderson Co, 13 Jan (AR).

American Woodcock
MC: 16, Carl.L, 7 Feb (KM); 6-8, New Columbia (Massac Co), 8-9 Feb (FB).

Franklin's Gull
GrantP, 2 Dec (DFS); 1st yr., L&D #13 (Whiteside Co), 9 Dec (PV); 2, HL, 5 & 19 Dec (*FH, JPZ).

Thayer's Gull along Evanston's Northwestern University landfill, Cook County. 26 December 1999. Photo by Eric Walters.

Great Black-backed Gull at Evanston's Northwestern University landfill, Cook County. 26 December 1998. Photo by Eric Walters.

Bonaparte's Gull
MC: 500, Carl.L, 13 Dec (KM); 420, Carl.L, 7 Feb (KM); 236, Newton L, 21 Dec (JW, SS); 150, HL, 13 Dec (WCR); 107, Mermet L, 15 Jan (FB). Others: 10, LChau, 3 Dec (RBj); 4 ad., Evanston, 26 Dec (JE, EW); 2 ad., GrantP, 28 Dec (DFS); MPrice L&D, 15 Jan (FH); ad., IL R (La Salle Co), 16 Jan (C&JMc); 2 ad., Powerton L, 16 Jan (MR, JGR); 2, HL, 14 Feb (WCR); 17, Newton L, 27 Feb (JW, m.ob.).

Ring-billed Gull
MC: **17,000**, HL, 27 Jan (KM); 2,069, LChau, 4 Feb (RBj); 2,000, Pekin, 7 Jan (MR); 1508, QC CBC, 20 Dec (KJM, m.ob.); 1000, Andalusia CBC, 23 Dec (KB). Others: 400, Zion (Lake Co), 5 Dec (DJ); 414, JP, 25 Dec (PC); 850+, Evanston, 26 Dec (JE, EW); 700, LCal, 26 Dec (WM); 200, IL R (La Salle Co), 16 Jan (C&JMc); **leucistic**: Montrose, 26 Dec (*JL).

Herring Gull
MC: **15,000**, IL R (La Salle Co), 16 Jan (C&JMc)—**all-time record high count for state** by nearly 50%; 3,000, LCal, 9 Jan (WM); 2,000, Zion (Lake Co), 5 Dec (DJ); 800, Pekin, 15 Jan (KM). Others: 300, Zion (Lake Co), 4 Jan (DJ); 200, HL, 27 Jan (KM); 24, LChau, 18 Feb (RBj); **albinistic**: Montrose, 26 Dec (JL).

Thayer's Gull
MC: 6 (4 ad., 2 1st yr.), GrantP, 28 Jan (DFS); 4 (2 ad., 2 2nd yr.), Evanston, 26 Dec (JE, EW see photo, m.ob.); 4 (3 ad., 1 1st yr.), Pekin, 10 & 21 Jan (RC, JGR); 3 (1st yr.?), Riverlands, 12 Jan (WCR). Others: 1st yr., LCal, 5 & 12 Dec (WM); HL, 19 Dec (JPZ, FH); 1st yr., QC CBC, 20 Dec (KJM); 1st yr., JP, 25 Dec (PC); 2, Chi, 26 Dec (JE, EW); Urbana, 2 Jan (RC); ad., LCal, 9 Jan (WM); IL R (La Salle Co), 27 Dec & 10 Jan (DJS); 1st yr. (pale bird), LCal, 24 Jan (WM); ad., Powerton L, 24 Jan (DTW); 1st yr., IL R (La Salle Co), 31 Jan (DJS); ad., Chi, 4 Dec-6 Feb (JL); LSNucPlnt, 6 Feb (VK, DB, MD); ad., LCal, 13 Feb (GAW); Clin.L, 20 Feb (RC).

Iceland Gull
MC: 2 ad. ("Kumlien's"), Pekin, 10 & 16 Jan (RC, JGR). Others: 1st yr., LSpfld (Sangamon Co), 20 Dec (DB); 1st yr., Winthrop Harbor (Lake Co), 26 Dec (DFS); ad., Chi, 26 Dec & 1 Jan (MR, JL); 1st yr., MPrice L&D, 12 Jan (FH); ad., MPrice L&D, 16 Jan (FB); Pekin, 21 Jan (JGR); 1st yr., GrantP, 25-30 Jan (DFS); 1st or 2nd yr., Montrose, 7 Feb (VK, DB, MD,).

Lesser Black-backed Gull
MC: 3 (1 ad., 2 1st/2nd yr.), IL R (La Salle Co), 31 Jan (DJS); 2 ad., Pekin, 15 Jan (KM). Others: Zion (Lake Co), 5 Dec (DJ); ad., Chi, 6-26 Dec (JL); ad., LCal, 26 Dec (WM); ad., IL R (La Salle Co), 16 Jan (C&JMc); ad., L Spfld (Sangamon Co), 24 Jan (DTW); ad., Riverlands, 6-30 Jan (WCR, m.ob.); 3rd yr., Chi, 30 Jan (DTW); 2nd yr., LSNucPlnt, 6 Feb (VK, DB, MD); L&D #15 (Rock Island Co), 30 Jan-7 Feb (JF); 2nd yr., GrantP, 8 Feb (DFS); L&D #19 (Hancock Co), 10 Feb (JF); ad., LCal, 13 Feb (GAW); ad., Rend L, 5 Dec-21 Feb (FB).

Glaucous Gull
MC: 3 (1st/2nd yr.), Riverlands, 12 Jan (WCR); 2 ad., LSNucPlnt, 6 Feb (VK, DB, MD); 2 (1st yr., 2nd yr.), IL R (La Salle Co), 24 Jan (C&JMc); 2, Peoria (Peoria Co), 27 Jan (JGR). Others: Lake Forest (Lake Co), 26 Dec (DJ); Will Co, 10 Jan (RF, KF); ad., Lake Co, 9 Jan (SH, AFS); 1st yr., Pekin, 10 Jan (RC); ad., Miss. R (St. Clair Co), 16 Jan (FB); Chi, 31 Dec-22 Jan (JL); ad., IL R (La Salle Co), 24 Jan (DJS); 1st yr., HL, 24 Dec & 30 Jan (FB); L&D #15 (Rock Island Co), 30 Jan-7 Feb (JF); ad., Burnham Harbor (Chi), 7 Feb (VK, DB, MD, DFS); 1st yr., LCal, 9 Feb (DFS); 1st yr., L&D #13 (Whiteside Co), 12 Feb (PV); 2nd yr., JP, 14 Feb (PC).

Great Black-backed Gull
MC: 2 (ad., 1st yr.), GrantP, 28 Jan (DFS). Others: Wauk, 1 Dec (SH); ad., L&D #13 (Whiteside Co), 1 Dec (PV); ad., Chi, 26 Dec

(JE, EW see photo); ad., Muscatine CBC (Rock Island Co), 27 Dec (CB, BB); 1st yr., Pekin, 10 Jan (RC); ad., IL R (La Salle Co), 17 Jan (C&JMc); 1st or 2nd yr., MPrice L&D, 12 & 24 Jan (FH, WCR); ad., LCal, 24 Jan (WM); Clin.L, 6 Feb (RC); L&D #15 (Rock Island Co), 30 Jan-7 Feb (JF); ad., Chi, 10 Feb (JL).

Black-legged Kittiwake

imm., **Spfld, 16 Jan** (*RC, m.ob.).

Rock Dove

MC: 854, QC CBC, 20 Dec (KJM, BB); 275, LCal 8 Dec (DFS).

EURASIAN COLLARED-DOVE

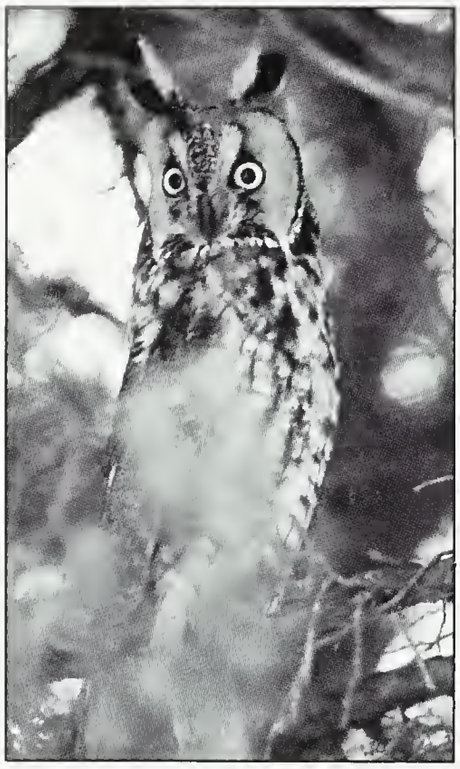
MC: 7, Brookfield (Cook Co), all year for several years (NB, RR); 7, Nokomis & Witt (Montgomery Co), 10 Feb (KM). Others: Urbana, all year since 1997 (RC, m.ob., previously documented); Chi, 10 Feb (JL). **Note:** In order to chronicle the expansion of this recent Illinois colonizer, the IORC solicits documentation for all records from new sites and for population changes at established sites. Photos, sound recordings, and specimens (including partial specimens such as feathers) are also sought. Observers should take special care to note the extent of black on the undertail feathers, the color of the primaries, and any vocalizations heard in order to help distinguish this species from the very similar "Ringed Turtle-Dove," which is widespread in captivity (and semi-feral around Joliet in particular) but not currently considered "wild" within Illinois.

Mourning Dove

MC: **490**, Joliet (Will Co), 16 Dec (DFS); 399, QC CBC, 20 Dec (BB, m.ob.); 129, JP, 25 Dec (PC); 107, Union Co, 30 Dec (KM, TD); 40, Vermilion Co, all winter (JOS). Others: 20, Du Page Co, all winter (RF, KF); 32, Palatine (Cook Co), 3 Jan (CF).

BARN OWL

MC: 4, CypCrk, 22 Feb (*FB). Others: 2 imm., **1 imm. dead, Williamson Co, 18 Dec (*BL); 2, CypCrk, 7 Dec, 29 Jan (*FB).



Long-eared Owl, Middle Fork Fish and Wildlife Area, 29 March 1999. Photo by Connie J. Carroll.

Eastern Screech-Owl

MC: **15**, Lake Forest (Lake Co), 26 Dec (DJ); **15**, Carl.L, 25 Dec (JPZ, DK); 8, Clinton (Iowa) CBC, 26 Dec (KJM, EA); 6, Ewing (Franklin Co), 19 Dec (LS). Others: 2, Vermilion Co, all winter (JOS); Rend L, all winter (KM); Woodford Co, 20 Jan (JGR); 5, Wayne Fitzgerrell SP (Franklin Co), 28 Feb (LS).

Great Horned Owl

MC: 11, QC CBC, 20 Dec (KB, m.ob.); 10, Franklin & Perry Cos, 14-25 Feb (LS); 9, Clinton (Iowa) CBC, 26 Dec (KJM); 5, Carl.L, 28 Dec (KM); 4, Vermilion Co, all winter (JOS). Others: Chi, 26 Dec (JL); 2, Lake Co, 1 Jan(DJ); Fermi., 1 Jan (RF, KF); Du Page Co, 9 Jan (RF, KF); Madison Co, 17 Jan (FH). Subspecies **subarcticus**: JP, 5-10 Dec (*PC, TJ-ph.)—**eighth Illinois record of this form**. See article in this issue.

Snowy Owl

Meigs Field (Chi), 30 Dec & 13 Jan (DFS).

Barred Owl

MC: 21, Franklin & Perry Cos, 14-25 Feb (LS); 6, QC CBC, 20 Dec (BB, m.ob.). Others: 2, Vermilion Co, all winter (JOS); MArb, 1 Jan (DFS); Madison Co, 17 Jan (FH).

Long-eared Owl

MC: 12, Orland Grasslands FP (Cook Co), 21 Dec-21 Feb (SSt, GAW, CF); 11, Fermi., 25 Dec (RF, KF); 6, Fermi., 1 Dec (RF, KF). Others: 2, Shirland (Winnebago Co), 19 Dec (DTW); Greene Valley FP (Du Page Co), 20 Dec (RF, UG,) and 25 Dec (EW see photo); Middle Fork FWA (Vermilion Co), 31 Dec-1 Jan (RC,CC see photo); Fermi., 1 Jan (RF, KF); GrantP, 12 Jan (DFS); McLean Co, 12 Jan (MF); 3, Gladstone L (Henderson Co), 13 Jan (AR); Carl.L, 15 Jan (KM); Rend L, 23 Jan (FB); MPrice L&D, 24 Jan (FH); Homer L (Champaign Co), 21 Feb (RC); Shab.L, 27 Feb (DFS); 3, Christopher (Franklin Co), 27 Feb (LS).

Short-eared Owl

MC: 26, Pr.Rdg, 18 Feb (JW, EK); **17**, Carl.L, 20 Dec (DK, JPZ); 7, Fermi., 19 Dec (GAW). Others: Montrose, 5 Dec (GAW); 2, Pecatonica, 19 Dec (DTW); 4, Ewing (Franklin Co), 19 Dec (LS); 3, La Salle Co, 20 Dec (C&JMc); 2, Evergreen L (Woodford Co), 24 Dec (JGR); 2, Union Co, 30 Dec (KM, TD); 2, Springbrook Prairie FP (Du Page Co), 1 Jan (MAM); Vermilion Co, 12 Jan (JOS); Williamson Co, 26 Jan (LS); 4, Perry Co, 2 Feb (LS); Paxton (Ford Co), 13 Feb (RC); 3, Pulaski Co, 22 Feb (FB).

Northern Saw-whet Owl

Orland Grasslands FP (Cook Co), 30 Dec (GAW); 2, MArb, 24 Dec-28 Feb (EW, m.ob.); Moraine View SP (McLean Co), 13-28 Feb (ES, AS).

RUFOUS HUMMINGBIRD

ad. male, Spfld, 7 Nov-21 Dec (DB, *DO see photo, m.ob.).

Long-eared Owl roosting in Du Page County, 25 December 1998. Photo by Eric Walters.

Belted Kingfisher
MC: 5, PMarq. CBC, 19 Dec (BT); 4, Andalusia CBC, 23 Dec (KB, m.ob.); 3, QC CBC, 20 Dec (BB, KJM); 3, Western Mercer Co CBC, 22 Dec (BAB, KJM). Others (north and central): 2, CBG, 1 Dec (DJ); LChau, 3 Dec (RBj); Evanston, 24 Dec (EW); La Salle Co, 27 Dec (DJS); Fermi., 1 Jan (RF, KF); IL R (Bureau Co), 1 Jan (C&JMc); MArb, 16 Jan (RF, KF); La Salle Co, 24 Jan (DJS); Bloom., 27 Feb (MR).

Red-headed Woodpecker
MC: **134**, PMarq. CBC, 19 Dec (BT), 25, QC CBC, 20 Dec (KJM, BB); 8-10, Vermilion & Champaign Cos, all winter (JOS). Others: L Bloom., 19 Dec (GH, m.ob.); Fermi., 1 Dec (RF, KF); 7, Lake Co, 26 Dec (DJ); Woodford Co, 26 Dec (RF, KF); 2, HLCA, 29 Dec (KM, TD); La Salle Co, 10 & 30 Jan (C&JMc).

Red-bellied Woodpecker
MC: 141, PMarq. CBC, 19 Dec (BT); 35, Western Mercer Co CBC, 22 Dec (KJM, m.ob.); 27, Clinton (Iowa) CBC, 26 Dec (KJM); 26, QC CBC, 20 Dec (KJM, m.ob.); 19, HLCA, 29 Dec (KM, TD). Others: Moraine View SP (McLean Co), all winter (MR); 6-8, Vermilion Co, all winter (JOS); 14, Lake Forest (Lake Co), 26 Dec (DJ); 9, Fox R (Kendall Co), 6 Feb (DFS).

Yellow-bellied Sapsucker
MC: 7, PMarq. CBC, 19 Dec (BT). Others: Ewing (Franklin Co), 18 Dec (LS); Riverwoods (Lake Co), 24 Dec (DJ); Du Page Co, 24 Dec (RF, KF); Klehm Arboretum (Winnebago Co), 30 Dec (DTW); 2, Union Co, 30 Dec (KM, TD); Yorkville (Kendall Co), 6 Feb (DFS); MArb, 7 Feb (JGR); Bloom., 18 Feb (MR, ES).

Downy Woodpecker
MC: 104, QC CBC, 20 Dec (BB, m.ob.); 97, PMarq. CBC, 19 Dec (BT). Others: 12, MidewinPr, 4 Dec (DFS); 16, Lake Forest (Lake Co), 26 Dec (DJ); 23, Union Co, 30 Dec (KM, TD).

Hairy Woodpecker
MC: 16, Q.C., CBC, 20 Dec (BB, m.ob.); 13, PMarq. CBC, 19 Dec (BT). Others: 13, Lake Forest (Lake Co), 26Dec (DJ); 10, HLCA, 29 Dec (KM, TD); 5, Grundy Co, 30 Jan (DFS).

Northern Flicker
MC: **90**, PMarq. CBC, 19 Dec (BT); 18, QC CBC, 20 Dec (BB, m.ob.); 17, HLCA, 29 Dec (KM, TD); 13, Western Mercer Co CBC, 22 Dec (KJM, KB). Others: 2, Lake Co, all winter (RB); 10, MidewinPr, 4 Dec (DFS); 6, Greene Valley FP (Du Page Co), 20 Dec (WM); 3, Fermi., 1 Jan (RF, KF); Du Page Co, 5 Jan (RF, KF); 5, Iroquois Co CA, 26 Jan (DJS).

Pileated Woodpecker
MC: 18, PMarq. CBC, 19 Dec (BT); 14, Union Co, 30 Dec (KM, TD); 6, Muscatine CBC (Rock Island Co), 27 Dec (KJM). Others: 2, Vermilion Co, all winter (JOS); LChau, 21 Jan (RBj); 2, New Columbia (Massac Co), 25 Jan (FB).

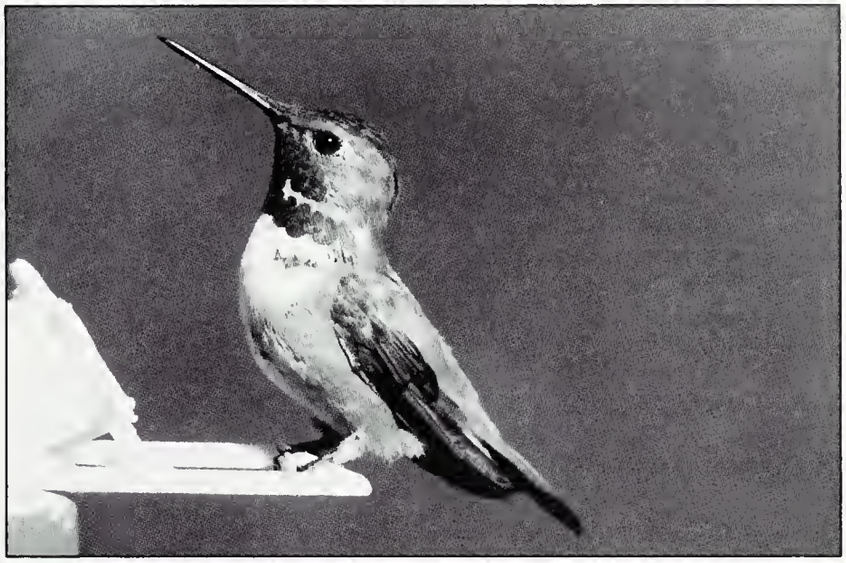
Eastern Phoebe
2, Massac Co, 27 Dec (FB); Union Co, 30 Dec (KM, TD).

Loggerhead Shrike
MC: **12**, Pr.Rdg, 14 Feb (JW, JTH). Others: 2, Massac Co, 18 Dec (FB); Carl.L, 15 Jan (KM); Pulaski Co, 29 Jan (FB); St. Clair Co, 30 Jan (KM); Franklin Co, 14 Feb (FB).

Northern Shrike
MC: 2 (ad., imm.), MidewinPr, 29 Dec (DFS). Others: Clin.L, 20 Feb, present since Nov (RC, m.ob.); Rockford, 19 Dec (DTW); Fermi., 19 Dec (GAW); McKee Marsh (Du Page Co), 19 Dec (EW, m.ob.); Greene Valley FP (Du Page Co), 20 Dec (*WM, m.ob.); ad., LCal, 15 Jan-9 Feb (DFS); Homer L (Champaign Co), 16 & 23 Jan (RC); Greene Valley FP (Du Page Co), 14 Feb (AFS); ad., Silver Springs (Kendall Co), 6-27 Feb (DFS); De Kalb Co, 23 Feb (DJS).

Blue Jay
MC: 173, PMarq. CBC, 19 Dec (BT); 109, QC CBC, 20 Dec (BB, m.ob.); 35, HLCA, 29 Dec (KM, TD); 83, Clinton (Iowa) CBC, 26 Dec (KJM).

American Crow
MC: **28,360**, Western Mercer Co CBC, 22 Dec (BAB, m.ob.); 7,470, Bloom., 19 Dec (MR, m.ob.); 6,000, Spfld, 20 Dec (VK); 2,130, Bartel Grasslands (Cook Co), 13 Dec (WM, KW); 1,350, Evanston, 25 Feb (EW); 1,000, HL, 10 Feb (KM). **Partial albino**: Little Calumet R (Chi), 28 Dec (WM).



Rufous Hummingbird, Springfield, Sangamon County. 19 November 1998. Photo by Dennis Oehmke. Bird remained through 21 December.

Fish Crow
MC: 6, Madison Co, 10 Feb (KM). Others: 2, Madison Co, 13 Dec (KM); 2, Mermet L, 22 Feb (FB).

Horned Lark
MC: 500, Winnebago Co, 7 Jan (DTW); 420, Carl.L, 15 Jan (KM). Others: St. Clair Co, 1 Jan (TM); 20, Will Co, 10 Jan (RF, KF); 65, Madison Co, 10 Jan (FH); 75, Vermilion Co, 16 Jan (JOS); 8, De Kalb Co, 30 Jan (RF, KF); 2, MArb, 6 Feb (RF, KF).

Barn Swallow
Winthrop Harbor (Lake Co), **5 Dec** (*GAW); Mermet L, **12-13 Feb** (*FB, m.ob.).

Black-capped Chickadee
MC: 304, Andalusia CBC, 23 Dec (KB, m.ob.); 211, QC CBC, 20 Dec (KJM, m.ob.); 155, PMarq. CBC, 19 Dec (BT); 124, Lake Forest (Lake Co), 26 Dec (DJ); 46, Fox R (Kendall Co), 17 Jan (DFS).

Carolina Chickadee
MC: 33, HLCA, 29 Dec (KM, TD).

Tufted Titmouse
MC: **163**, PMarq. CBC, 19 Dec (BT); see CBC results for other high counts.

Red-breasted Nuthatch
MC: 4, MArb, 13 Feb (RC); 3, Lyons Woods (Lake Co), 26 Dec (DFS). Others: L Bloom., 19 Dec (MR, m.ob.); 2, Andalusia CBC, 23 Dec (KJM); 2, MArb, 28 Dec (RF, KF); Lyons Woods (Lake Co), 28 Jan (CF).

White-breasted Nuthatch
MC: 104, QC CBC, 20 Dec (BB, m.ob.); see CBC results for other high counts.

Brown Creeper

MC: 45, QC CBC, 20 Dec (KJM, m.ob.); 21, Clinton (Iowa) CBC, 26 Dec (KJM); 20, MidewinPr, 4 Dec (DFS). Others: JP, all winter (PC); 2-3, Bloom., all winter (MR); 3, PMarq. CBC, 19 Dec (BT); 5, HLCA, 29 Dec (KM, TD); 8, Mermet L, 1 Jan (FB); Ottawa (La Salle Co), 6-7 Feb (C&JMc).

Carolina Wren

MC: 54, PMarq. CBC, 19 Dec (BT); 17, Union Co, 30 Dec (KM, TD); 6, I&M Canal (La Salle Co), 27 Dec (DJS); 3, Urbana, 19 Jan (RC). Others (north):

2, Rockford, all winter (DTW); 2, Highland Park (Lake Co), all winter (DRD, JD); 2, Grundy Co, 16 Dec (DFS); 2, Ottawa (La Salle Co), 16 Jan (C&JMc).

Winter Wren

MC: 12, Union Co, 30 Dec (KM, TD); 9, HLCA, 29 Dec (KM, TD); 4, Mermet L, 1 Jan (FB). Others: MidewinPr, 16 Dec (DFS); Grundy Co, 16 Dec (DFS); McKee Marsh (Du Page Co), 19 Dec (RF, KF); Chi, 20 Dec (DJ); 2, JP, 28 Dec-1 Jan (PC, DA); Des Plaines R FP (Lake Co), 1 Jan (AFS); JP, 3 Jan (KC).

Marsh Wren

MC: 3, Hidden L FP (Du Page Co), 20 Dec (*GM, EW et al.). Others: Hidden L FP (Du Page Co), 25 Dec (DFS); Mermet L, 13 Feb (*FB).

Cedar Waxwing breakfast balancing act at Wilmette's Gillson Park, Cook County, 13 November 1998. Photo by Eric Walters.

Golden-crowned Kinglet

MC: 37, HLCA, 29 Dec (KM, TD); 7, McLean Co, 26 Dec (C&JMc). Others: 5, JP, 1 Dec (PC, KC); 3, CBG, 1 Dec (DJ); 4, Naperville (Will Co), 20 Dec (WM); Winnetka (Cook Co), 21 Dec (EW); 4, Lake Co, 1 Jan (DJ).

Ruby-crowned Kinglet

MC: 2, Spfld, 20 Dec (DB); 2, Mermet L, 1 Jan (FB). Others: Lyman Woods (Du Page Co), 6 Dec (DFS); Glendale L (Pope Co), 25 Dec (FB); Union Co, 30 Dec (KM, TD); JP, 8 Dec-1 Jan (*PC, KC).

Eastern Bluebird

MC: 15, MArb, 7 Feb (JGR, EW see photo); 11, Carl.L, 28 Dec (KM, DW); 10, Princeton-Camanche CBC, 21 Dec (KJM). Others: 4, Lyons Woods (Lake Co), 26 Dec, 9 Jan (DFS, AFS); 5, Nachusa Grasslands (Lee Co), 19 Jan (DTW); 5, Vermilion Co, 10 Feb (JOS).

TOWNSEND'S SOLITAIRE

MArb, 31 Jan-13 Feb (VK, DB, MD, JGR, PM-ph., m.ob.). See article and photo in this issue.

Hermit Thrush

MC: 5, Union Co, 30 Dec (KM, TD); 3, Massac Co, 31 Dec (FB); 2-4, Klehm Arboretum (Winnebago Co), 31 Dec-2 Jan (DTW). Others: JP, 15 Dec (PC); Chi, 20 Dec (DJ); Western Mercer Co CBC, 22 Dec (KJM); Lake Forest (Lake Co), 26 Dec (DJ); Mundelein (Lake Co), 1 Jan (SH); Wauk, 5 Jan (SH); Clin.L, 17 Jan (RC).

American Robin

MC: 2,200, Brown Co, 5 Dec (C&JMc); 2,000, Morgan Co, 5 Dec (C&JMc); 604, Klehm Arboretum (Winnebago Co), 2 Jan (DTW); 300+, Cook Co, 9 Feb (CF). Others: 75, HL, 6 Dec (FH); 42, Monroe Co, 19 Dec (TM); 64, Rend L, 19 Dec (KM, m.ob.); 200, Marshall Co CA, 28 Dec (JGR); 181, Wauk, 5 Jan (DJ); 37, Lake Co, 17 Jan (RB); 58, Iroquois Co CA, 26 Jan (DJS); 75, Geneva (Kane Co), 28 Jan (DJS); 45, Illini SP (La Salle Co), 30 Jan (DFS).

Gray Catbird

GrantP, 1 Dec (DFS); Chi, **22 Dec** (*GAW).

Northern Mockingbird

MC: 7, MidewinPr, 4 Dec (some remaining all winter) (DFS); 3, O'Fallon, 5 Dec (KM). Few reports.

Brown Thrasher

MC: 3, HLCA, 29 Dec (KM, TD). Others: GrantP, 2-23 Dec (DFS); St. Clair Co, 4 Jan (TM); HL, 1 & 10 Jan (FH, KM).

European Starling

MC: **200,000**, Urbana, 5 Dec (RC); 4,400, Bloom., 19 Dec (MR); 3,000, LCal, 26 Dec (WM); 1,000+, Vermilion Co, all winter (JOS).

American Pipit

MC: 6, LChau, 10 Dec (RBj). Others: 2, Carl.L, 25 & 28 Dec (JPZ, *DK); Vermilion Co, **3 Jan** (JOS).

Cedar Waxwing

MC: 50, Barrington (Cook Co), 17 Jan (DJ); 50, Carl.L, 13 Dec (KM); 45, Clinton (Iowa) CBC, 26 Dec (KJM); 45, Oakbrook (Du Page Co), 24 Jan (DFS). Others: Gillson Park (Cook Co), 13 Nov (EW see photo), L Bloom., 19 Dec (MR); 5, Lake Forest (Lake Co), 26 Dec (DJ); 11, Chi, 6 Jan (JL); Champaign Co, 18 Jan (JOS); 10, MArb, 1 Feb (RF, KF); 13, Mermet L, 13 Feb (FB).

Yellow-rumped Warbler

MC: 16, Mermet L, 22 Feb (FB); 10, Union Co, 30 Dec (KM, TD). Others: Wolf Road Prairie (Cook Co), 6 Dec (DFS); 2, Clinton (Iowa) CBC, 26 Dec (KJM); Muscatine CBC (Rock Island Co), 27 Dec (KJM); 3, Massac Co, 31 Dec (FB); 4, JP, 29 Dec-1 Jan (PC); 5, Mundelein (Lake Co), 1 Jan (SH); Grandwood (Lake Co), 1 Jan (DJ); Rend L, 1 Jan (LS); 2, MArb, 16 Jan (RF, KF); 2, Clinton Co, 30 Jan (KM).

Pine Warbler

MC: male, **CBG, 26 & 28 Dec** (*MJH, AH, m.ob.)—a female reported from same site was inadequately documented. Others: Pope Co, 28 Dec (*CL, m.ob.); Christopher (Franklin Co), 14 Feb (LS).

Common Yellowthroat

Pecatonica, 19 Dec (*MK).

Yellow-breasted Chat

GrantP, 14-22 Dec (DFS, *DJ, *JRS).

Spotted Towhee

Carl.L, 28 Dec (*KM, DW); female, Union Co, 30 Dec (*VK).

Eastern Towhee

QC CBC, 20 Dec (LB); male, Union Co, 30 Dec (VK); St. Clair Co, 6-10 Jan (TM); Henderson Co, 13 Jan (AR); Sangamon Co, 27 Jan (KM).

American Tree Sparrow

MC: **2,000+**, Pr.Rdg, 14 Dec (JW, EK, JTH); 1,000, Woodford Co CA, 26 Jan (JGR); 800+, Middle Fork FWA (Vermilion Co), 1 Jan

(RC); 642, Lake Co, 1 Jan (DJ). Others: 240, MidewinPr, 4 Dec (DFS); 375, Naperville, Du Page R (Will Co), 20 Dec (WM); 165, LCal, 26 Dec (WM); 54, Carl.L, 28 Dec (KM, DW); 151, La Salle L, 1 Jan (C&JMc); 42, Lake Co, 22 Jan (RB); 100+, Cook Co, 9 Feb (CF); 132, La Salle L, 13 Feb (C&JMc).

BREWER'S SPARROW

MidewinPr, 4 Dec (*DFS)—**fourth IL record.**

Field Sparrow

MC: 27, HLCA, 29 Dec (KM, TD). Others: Wauk, 5 Jan (*DD); Powerton L, 23 Jan (JGR).

Vesper Sparrow

Perks area, Lower Cache Road (Pulaski Co), 22 Feb (*FB).

Savannah Sparrow

MC: **200**, Pr.Rdg, 18 Dec (JW); **70**, PMarq. CBC, 19 Dec (WCR)—**both record winter season high counts**. Others: Heyworth, 10 Dec (MR, JGR); Foss Avenue Park (Lake Co), 26 Dec (DFS); 3, HLCA, 29 Dec (KM, TD); 2, Union Co, 30 Dec (KM, TD); IBSP, 1 Jan (*GAW, m.ob.); 2, Rollins Savannah (Lake Co), 1 Jan (DJ); 4, Riverlands, 31 Jan (WCR).

Eastern Bluebirds wintered at the Morton Arboretum, Du Page County, the 1998/99 winter season. Photographed on 6 February 1999 by Eric Walters.

Le Conte's Sparrow

MC: 16, Ewing Area (Franklin Co), 19 Dec (FB); Urbana, 12 Dec (RC); 7, Pr.Rdg, 18 Dec (JW). Others: 8, HLCA, 29 Dec (KM, TD); 3, Massac Co, 31 Dec (FB); Carl.L, 9 Jan (JPZ).

Fox Sparrow

MC: 10, HLCA, 29 Dec (KM, TD). Others: 2, LCal, 8 Dec (DFS); Du Page Co, 1 Jan (RF, KF); Henderson Co, 13 Jan (AR); Vermilion Co, 13 Jan (JOS); Boone Co, 5-27 Jan (AB); De Kalb Co, 30 Jan (RF, KF); HL, 14 Feb (FH); Normal (McLean Co), 15 & 28 Feb (DBi, JGR).

Song Sparrow

MC: 62, HLCA, 29 Dec (KM, TD); see CBC results for other high counts.

Lincoln's Sparrow

GrantP, 1 Dec (DFS); Rend L, 19 Dec (FB).

Swamp Sparrow

MC: 75, HLCA, 29 Dec (KM, TD); see CBC results for other high counts. Others: Powerton L, 23 Jan (JGR); 4, McLean Co, 28 Feb (JGR).

White-throated Sparrow

MC: 205, HLCA, 29 Dec (KM, TD); 23, QC CBC, 20 Dec (BB, CB). Others: 2, Palatine (Cook Co), all winter (CF); 6, Du Page Co, all winter (RF, KF); Moraine View SP (McLean Co), all winter (MR, m.ob.); 6, Oswego (Kendall Co), 17 Dec (DFS); 12, GrantP, 23 Dec (DFS); Lake Co, 1 Jan (DJ); SRock SP. 10 Jan (DJS).

Harris's Sparrow

Fox R Estates (Kane Co), 19 Dec (*MAM).

White-crowned Sparrow

MC: 70, MidewinPr, 4 Dec (50+ all winter) (DFS); 45, Carl.L, 28 Dec (KM, DW). Others: ad., Heyworth, all winter (TB); 12, Putnam Co, 6 Dec (C&JMc); imm., Heyworth, 10 Dec (MR); 10, LCal, 26 Dec (WM, CH); Shab.L, 1 Jan (DJS); Vermilion Co, 12 Jan (JOS); Oswego (Kendall Co), 17 Jan (DFS); Kankakee Co, 21 Jan (DFS); Iroquois Co CA, 26 Jan (DJS).

Dark-eyed Junco

MC: 1341, QC CBC, 20 Dec (BB, m.ob.); see CBC results for other high counts. Others: 30, Little Red School (Cook Co), all winter (RF, KF); 40, Vermilion Co, all winter (JOS); 80, MidewinPr, 29 Dec (DFS); 84, Union Co, 30 Dec (KM, TD). "Oregon Junco": Colfax (McLean Co), all winter (MR); Henderson Co, 13 Jan (AR).

Lapland Longspur

MC: **3,550**, La Salle Co, 30 Jan (C&JMc); **1,000**, Pr.Rdg, 27 Feb (JW, EK, JTH); 500, Winnebago Co, 7 Jan (DTW); 278, Carl.L, 28 Dec (KM, DW); 200+, Urbana, 2 Jan (RC); 100+, Vermilion Co, 15 Dec (JOS). Others: 100, Bolingbrook (Will Co), 19 Dec (*WM); 2, Massac Co, 1 Jan (FB); 91, Kane Co, 7 Jan (DJS); 61, Chi, 8 Jan (JL); 20, Will Co, 10 Jan (RF, KF); 9, JP, 11-12 Jan (KC); 125, Morris (Grundy Co), 30 Jan (DFS); 120, De Kalb Co, 12 Feb (DJS); 40, Vermilion Co, 12-20 Feb (JOS).

Snow Bunting

MC: 200, La Salle Co, 30 Jan (C&JMc). Others: 2, Heyworth, 5 Dec (MR, m.ob.); Brown Co, 5 Dec (C&JMc); 4, JP, 7 Dec (KC, PC); 2, Clinton (Iowa) CBC, 26 Dec (KJM); 50, Winnebago Co, 7 Jan (DTW); 12, Vermilion & Champaign Cos, 10 Jan (JOS); 44, Henderson Co, 13 Jan (AR); 56, Afton FP (De Kalb Co), 14 Jan (DJS); 2, Carl.L, 15 Jan (KM); 10, Chi, 24 Jan (JL); 2, Montrose, 26 Jan (RF, KF); 5, Morris (Grundy Co), 30 Jan (DFS).

Northern Cardinal

MC: 208, QC CBC, 20 Dec (KJM, m.ob.); see CBC results for other high counts. Others: 25, Du Page Co, all winter (RF, KF); 59, McKee Marsh (Du Page Co), 19 Dec (EW); 17, JP, 28 Dec (PC); 19, Grundy Co, 30 Jan (DFS); 30, O'Fallon, 23 Feb (KM).

Dickcissel

Vermilion Co, 14-15 Dec (*JOS).

Red-winged Blackbird

MC: **25,000**, La Salle Co, 14 Feb (DJS); 10,000, near IL R (Putnam Co), 1 Jan (C&JMc); 1,000+, SRock SP, all winter (DJS); 285, MArb, 20 Dec (EW, m.ob.). Others: 6, Woodford Co, 1 Jan (JGR); 3, Du Page Co, 3 Jan (RF, KF); 3, Will Co, 10 Jan (RF, KF); 6, Vermilion Co, 11 Jan (JOS); 2, De Kalb Co, 30 Jan (RF, KF).

Eastern Meadowlark

MC: 7, Carl.L, 28 Dec (KM, DW); 6, Heyworth, 26 Feb (MR); 5, Mason Co, 9 Jan (RC, m.ob.); 4, MidewinPr, 4 Dec (DFS). Others: Pecatonica, 16 Jan (DTW); HL, 21 Feb (FH).

Western Meadowlark

Winnebago Co, 16 Jan (DTW).

Rusty Blackbird

MC: 500, Urbana, 28 Feb (RC); 150, Clinton Co, 30 Jan (KM); 105, MidewinPr, 29 Dec (DFS); 100, Carl.L, 28 Dec (KM, DW). Others: 2, Palatine (Cook Co), 2 Dec (CF); 34, Brown Co, 5 Dec (C&JMc); 3, Mermet L, 1 Jan (FB); 3, Seneca (La Salle Co), 3 Jan (C&JMc); 6, Woodford Co, 4 Jan (JGR); 5-9, Vermilion Co, 3-13 Jan (JOS); 10, Clin.L, 13 Feb (AS, ES); 5, L Bloom., 27 Feb (MR).

Brewer's Blackbird

MC: **16**, Clinton Co, 28 Dec (*WCR, CA). Other: female, Will Co, 21 Jan (*DFS). Undocumented reports: ad. male, McHenry Co, 12 Dec (DFS); Carl.L, 25 Dec (JPZ, WCR); 2, Vermilion Co, 3 Jan (JOS).

Common Grackle

MC: 1,000+, SRock SP, all winter (DJS). Others: JP, 19 Dec (PC); 6, QC CBC, 20 Dec (KJM, BB); 10, Woodford Co, 1 Jan (JGR); 3, Vermilion Co, 13 Jan (JOS); .

Brown-headed Cowbird

MC: 1,000+, SRock SP, all winter (DJS). Others: 30, Vermilion Co, all winter (JOS); 115, MidewinPr, 29 Dec (DFS); 100, O'Fallon, 1

Jan (KM); 4, St. Clair Co, 8 Jan (TM); 40, Hampton (Rock Island Co), 10 Jan (KJM); 260, Braidwood to Heidecke L (Will & Grundy Cos), 27 Jan (DFS).

Purple Finch

MC: 19, QC CBC, 20 Dec (BB, CB). Others: Cook Co, 4 Dec (CF); Merwin FP (McLean Co), 19 Dec (MF, TB); HLCA, 29 Dec (KM, TD); 3, Rockford, 16 Jan (DTW); 2, Illini SP (La Salle Co), 30 Jan (DFS); MArb, 1 Feb (RF, KF).

House Finch

MC: 65, Princeton-Camanche CBC, 21 Dec (RN, KJM); 63, QC CBC, 20 Dec (BB, m.ob.); 52, Lake Co, 27 Dec (RB); 40, O'Fallon, 24 Jan (KM); 40, Du Page Co, all winter (RF, KF); 35, Vermilion Co, all winter (JOS).

Red Crossbill

MC: 11, Lyons Woods (Lake Co), 26 Dec (DFS). Others: Bloom., 19 Feb (MR).

White-winged Crossbill

Clin.L, 6 Dec (RC).

Common Redpoll

MC: 12, Powerton L, 24 Jan (DTW). Others: Heyworth, 10-11 Dec (MR, JGR).

Pine Siskin

Urbana, 21 Feb (RC).

American Goldfinch

MC: 80, Du Page Co, all winter (RF, KF); see CBC results for other high counts. Others: 24, Vermilion Co, all winter (JOS); 13, JP, 25 Dec (DA); 11, Lake Forest (Lake Co), 26 Dec (DJ); 12, Baldwin L (St. Clair/Randolph Cos), 30 Jan (KM); 40, Lake Co, 2 Feb (RB).

House Sparrow

MC: 1641, QC CBC, 20 Dec (BB, m.ob.); 250, Vermilion Co, all winter (JOS); see also CBC results.

Eurasian Tree Sparrow

MC: 400+, Henderson Co, 13 Jan (AR); 150+, Snicarte (Mason Co), 9 Jan (RC, m.ob.); 21, Andalusia CBC, 23 Dec (KJM). Others: 27, Brown Co, 5 Dec (C&JMc); 35, Western Mercer Co CBC, 22 Dec (KJM, BAB); 60, Powerton L, 28 Jan (JGR); 9, Grafton (Jersey Co), 30 Jan (FB); 10, HL, 30 Jan (FB).

EXOTICS/RELEASED SPECIES

Trumpeter Swan

MC: 15, LChau, 3 Dec (RBj); 14, Jackson Co, 3 Jan (RSM); 9 (2 ad., 7 imm.), De Soto (Jackson Co), 17 Jan (JM); 6 (2 ad., 4 imm.), Ware (Union Co), 23-24 Jan (*DMK, MM). Others: 2 ad. (neck-banded in Wisconsin), L Storey (Knox Co), 27 Dec (PR et al.); 2 ad., Batavia (Kane Co), 1 Jan (DFS); Lake Co, 4 Jan (SH); 2 ad., LChau, 30 Jan (MR, MD); Mascoutah (St. Clair Co), 9 Feb (KM).

Monk Parakeet

MC: 26, JP, 28 Dec (PC); 19, Burnham (LCal), 26 Dec (WM).

ADDENDUM TO THE WINTER 1997-98 REPORT:

Great Black-backed Gull: Date for previously reported high count of 4 birds at LCal is 24 Jan (DFS).

RECORDS PENDING IORC REVIEW:

BARROW'S GOLDENEYE
female, Powerton L, 16 Jan.

Osprey
female, Rockford, 23 Dec.

PRAIRIE FALCON
New Boston (Mercer Co), 18 Dec.

CALIFORNIA GULL – Accepted/ November 1999.
ad., Montrose, 23-24 Jan.

BOHEMIAN WAXWING – Accepted/ November 1999.
15, Calumet Park (Cook Co), 27 Jan.

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Sleeping Northern Saw-whet Owl at the Morton Arboretum, DuPage County. 6 February 1999. Photo by Eric Walters.